N. Inv. 2117.

[illegible]

Utrum relatio sit aliquid subsistens [illegible]

[illegible] sit aliquid

[illegible]

189

[illegible]

BB. XII
3

Omnis gloria eius filie regis abintus In fimbriis

[illegible]

Compendium Phisice naturalis authoris ignoti.
Questiones Marsilii super Prima [illegible].
Questiones super Metheora Magistri Wilhelmi de Oren[illegible].

[illegible]

Circa initium principii

Iste libellus introductorius [illegible] per [illegible] continet tres tractatus. Primus tractatus continet [illegible] secundus tractatus continet [illegible] tertius tractatus continet [illegible]

[illegible]

[illegible]

Dubitatur quid

[illegible]

Est alia for[ma]

[illegible]

[illegible]

[illegible]

[illegible] intrinseca [illegible] intrinseca que attribuit [illegible]

[illegible] appetitus [illegible] bonum [illegible] malum [illegible]

[illegible]

[illegible]

Et differunt ra[illegible]

[illegible]

[illegible]

Sunt autem

[illegible]

Vnde hic patet moi

[illegible]

Videndum est primo

Forma est quid

[illegible] ... diffinitionem materie

[illegible]

[illegible]

Et talis est ingula lic

[illegible]

[illegible]

Et est quidam appetitus

[illegible]

[illegible]

Et dicitur una

Natura quidem igitur primum apud [illegible]
a movendi et quiescendi in quo
est per se non [illegible] actus. Et [illegible] dix[illegible]
alia forma alia materia [illegible] ut for[illegible]
[illegible] et [illegible] talis [illegible] ut [illegible]
[illegible] vel in [illegible] ut [illegible] [illegible]
differunt ab aliis [illegible] artificialibus [illegible]
qualia in quantum talia [illegible] principium [illegible] [illegible]
[illegible] quiescendi [illegible] artificialia [illegible]

Sicut autem [illegible] [illegible] [illegible]
[illegible] una et duo [illegible] [illegible] et forma [illegible]
[illegible] [illegible] in [illegible] ea quod fit et [illegible]
[illegible] aliquid subiecta. Et illud quod dicitur
[illegible] in fine in [illegible] complexa et [illegible] meta [illegible]

sit sicut in [illegible] per se quod [illegible]
subiecta sicut tangit materia. Et per hoc quod dicit
sit tangit formam. Et per hoc quod dicit sit
in potentia tangit [illegible] [illegible]

Mixtum [illegible] subiecta [illegible]
tunc [illegible] ex qua aliquid fit [illegible] [illegible]
[illegible] actus [illegible] [illegible] in [illegible]
corruptibile sicut cum sit generatio [illegible]
generata [illegible] quod generaret [illegible]
[illegible] corruptibile fit corrupta [illegible]
quod corrumperet [illegible] [illegible]
[illegible] [illegible] in [illegible] [illegible]
et hec [illegible] [illegible] [illegible]
Unde [illegible] [illegible] in qua [illegible]
[illegible] appetitus [illegible] [illegible]
[illegible] non [illegible]

[illegible]

Illud autem quod appetit privacio appetit
formam sicut femina virum et turpe bonum

Et dicitur autem in quolibet apta nata privatio autem

forma vero sive subiectum in quolibet

subsistat forme privatio carentia sive

forma non erit sed in quantum privatio

dicitur autem quod non est contraria ad formam

sic vero autem quando privatio est

mutabilibus

Privatio est carentia forme debite

cum aptitudine adveniente illam aptitudine

dicta sunt ingenerabilia et incorruptibilia in

quoniam non privatio est adulta

formam esse in proprietate et contrarietate

[illegible]

vel differt in speciebus

Unica privatio que dat formam

Item forma privatio quo advenit a parte

appetibilis est dicta formam in quolibet

dat et inde contrarietas privatio in quolibet

privatio cognita privatio in quolibet

privationis inde est in quolibet privatio

inde privatio sive actus

quilibet apponit et privatione

quod inde privatio et ...

ut dicitur et fit alterum privatio

formarum

[illegible]

et formalis ad quibus ...

[illegible]

Primo de privacione

[illegible]

[illegible]

Efficiens et finalis [illegible]

[illegible] causa [illegible]

[illegible] finalis [illegible] causa [illegible]

[illegible]

[illegible] causa efficiens [illegible]

[illegible] materia [illegible]

[illegible]

[illegible] activa [illegible]

[illegible] que [illegible]

[illegible] formalis [illegible]

[illegible] celestibus [illegible]

[illegible] obliqua [illegible]

[illegible]

Forma est que dat esse

[illegible]

[illegible] aliquid dat [illegible]

[illegible] forma dat [illegible]

[illegible]

Hec aut vero que sunt ad finem [illegible]
ridicula et [illegible] effectum [illegible]
[illegible] qualibet [illegible] cuique sit aliquid [illegible]
potissima [illegible] finis [illegible] et fit
Ad hoc [illegible] quam sue gratia cuique
decus aliquod [illegible] gratia quo ute[illegible]
ille qui ordinat ad finem [illegible]
Nota quod quedam sunt sibi inuicem [illegible]
finis [illegible] ut [illegible]
[illegible] sanitatis [illegible]
finalis laborandi [illegible] est [illegible]
[illegible] sol [illegible] facit [illegible]
[illegible] lucida [illegible] aliquid [illegible]

Propter aliud vero propterea ut mediatus
Est causa [illegible] substantie vero
Propterea est aliquid [illegible] statua
Facies [illegible] causa [illegible] aliud vero
Patrum ut [illegible] homo [illegible]
Est aliquid [illegible] causa [illegible] aptitudine
Vero in actu [illegible] causa quia
In rebus conveniunt [illegible] effectus finalis
Formalis [illegible] forma [illegible] formalis
Propterea que est effectus [illegible]
[illegible] et [illegible]
Causa [illegible] causa patrum [illegible]
que sunt [illegible] sequuntur
In quibus [illegible]

[illegible]

Et dicit for[mam] i[n] qua[n]t[um] [est] in [materi]a for[m]a est

[illegible]

[illegible]

Quedam sunt ips[ius] quedam sunt [illegible]

ips[ius] [illegible] Et eorum que sunt ips[ius] [illegible]

quedam sunt appa[rentia] quedam autem [illegible]

[illegible] ips[is] p[ri]us [illegible]

aliquem sunt [illegible] patet in [illegible]

[illegible] Et eorum que sunt [illegible]

sunt ut ips[ius] quedam quedam ut [illegible]

[illegible] quedam ut [illegible] Et eorum [illegible]

que sunt [illegible]

[illegible] est [illegible] eorum que sunt [illegible]

[illegible] peccati [illegible] et causa

[illegible] est causa peccati eorum que [illegible]

sunt [illegible] potest [illegible]

[illegible]

Quare sunt quatuor

[illegible]

[illegible]

distinguitur contra quando fortuna [illegible]

secundum differentiam causarum [illegible] per se

tamen in differentia causarum [illegible]

ultima de particula [illegible]

[illegible]

Et alio quattuor [illegible]

Dubitatur [illegible]

[illegible] monstra [illegible]

[illegible] ut patet [illegible]

[illegible]

quod sic patet hic quia per se ipsam [illegible]

per se ipsam [illegible]

causa quod acquiritur [illegible]

[illegible]

Intus aquo et est pars in tunica adque in

innuebat et inducebatur ... pars

Et sic patet quod intus aquo in ...

vas est vel corpus quod ... sunt ...

aqua ... adque medium est ...

patet quod in essentia non fit mixtum

... quinta ... tertia ...

Causa sunt que capiunt ...

... adque quam ... ut patet ...

Dictum principium

Contraria sunt ...

sunt ... ut pertinent ad ...

Pars que sic ... sunt que non ...

... alia ...

... ut patet ... aliud vero ...

Et sedulus propago patris facit ...

... ut albedo nigredo ...

Habet ...

... in mixtis sunt ... Alia ...

... ut ...

... ut patet ...

... adque ...

... ad ...

Causa efficiens

...

... qui ...

... qui est ad ...

... alius ...

... naturalis ...

violentus

[illegible]

est autem principium intra se [illegible]

Et tamen in principio [illegible]

[illegible] in principio intra se [illegible]

[illegible] in principio [illegible]

[illegible]

vel ad alterum [illegible] motus [illegible]

[illegible] spatium [illegible]

[illegible]

[illegible] pulsatio [illegible]

[illegible]

[illegible]

[illegible]

Causa finalis

[illegible]

Constructio

[illegible]

Nota que de[illegible]

[illegible]

Fortuna e casus

Nota corollarie

[illegible]

... aptitudo ut moveat et non in actu

motu quod fit per accidens motus in tempore

ita quod omnes quorum ... actu

... naturalis et ... in ... specie

loco et terminato ... alia causa

... cessat ... finis

... apud ... alia voluntate

... in loco alto ... casus

... contra ...

... fortuita ... accipitur

... quod accipit ...

Forma igitur ...

... fortuita ...

... effectus ...

... tempore ... in ...

[illegible]

... agentis ... particularis ... compaginis

... intendit ... fortune ... causa

... effectus ... singularibus ...

... apparentia ...

... fortuna ... agentis

Casus est ca...

... determinat ... causa ... patens

... deficit ... facit ...

... quod ... determinant ... fortune

[illegible]

d a pla mala oppo d no [illegible] quoniam q si [illegible]
ge avaricia q agit opposito [illegible] sine [illegible] agit oppo[illegible]
[illegible] no [illegible] agit [illegible] sine agit opposito [illegible]
[illegible] mac

quod ille [illegible] non [illegible] qui [illegible]
domum ut salutaret [illegible] aliquem
[illegible] caperet [illegible]
tempus cadaveris [illegible]
[illegible] pedes [illegible] staret
pedibus [illegible]
[illegible] cadit ut pedes [illegible]
ut [illegible] quod [illegible]
tendit [illegible]
[illegible] dat [illegible]
[illegible] quibus [illegible]
ut in [illegible]
distinguitur [illegible] fortuna [illegible]
[illegible]
[illegible] in agentibus [illegible]
[illegible]

[illegible]

Nota [illegible]

[illegible]

[illegible]

Utrum est actus entis existentis

Istud [illegible] aliud [illegible] libri [illegible] ut [illegible] motus [illegible] actus [illegible]

[illegible]

aliaque agere [illegible]

[illegible]

[illegible]

Item ad unum modum

[illegible]

Et quia continuum est

[illegible]

Item aliquod monet

Item nota quod Notitia

[illegible]

[C]ontinuum alius

[illegible]

p(ro)pt(er) h(oc) motus in p(ri)n(cipi)o est tardior
[illegible] a debilis q(uia) r(esi)st(enti)a
in p(ri)n(cipi)o est fortior quam
in fine medium aut continue
[illegible] resistencia in tra(n)
scendia [illegible] successive [illegible]
[illegible] et in fine velo
citatur saltem in medio unifor
mi sicut dicit [illegible]
Similiter motus animalis qui effectus
et in fine est ab anima [illegible] motus
progressivus animalis est in p(ri)n(cipi)o
et in fine remissior [illegible] in medio
est fortior q(uia) membra animalis in
p(ri)n(cipi)o sunt indisposita ad movendum
et in medio disponuntur et calefiunt
ut motus velocitatur [illegible] in
fine iterum membra sunt fati
gata et motus remittitur [illegible]
in ambulante. Aliter motus
violentus qui fit a p(ro)iciente
[illegible] motum mobile [illegible]
inclinationem ut motus sa
gitte vel proiectionis [illegible] in
p(ri)n(cipi)o [illegible] impetus
[illegible] impressio [illegible]
[illegible]
a natura tendente ad [illegible]

[illegible]

[illegible]

Motus et violentus

[illegible]

aut fit in [illegible]

[illegible]

[illegible]

Sive est summa de motu in suo [illegible]

[illegible]

[illegible]

Item quecumque dam

[illegible]

Infiniti est con[illegible]

[illegible]

[illegible]

Est quod sit in loco proprie ut publicum [illegible]

Repletio quod replet omnem locum ut deus

partibus ut ea quod sit in scita

Omnis est
uarius [illegible]

Capitulum aliud continens de [illegible]

formis [illegible] in [illegible]

[illegible] corporibus [illegible]

corpore aptum [illegible]

corpus [illegible]

[illegible] ut [illegible]

[illegible] ut aut [illegible] violentia

[illegible]

[illegible]

[illegible]

[illegible]

uel alicubi conceptus / quam mag[nitudinem]

Spacium est quod habet non inualent

unius dimensionis tria quorum et

quilibet res quanta albedo qua

ncessite actum inuat [illegible]

animabus duobus modis anima

sed accidentia quod fit per inmutacione

temporis una animatur [illegible]

et presens in tempore [illegible]

et appetitus motum [illegible] anima

nimis animata aptibus suis

et accidentia [illegible]

anima et [illegible] et appetitus

in tempore et anima [illegible]

[illegible] eadem [illegible] [illegible] locato quo [illegible]

[illegible] locati [illegible] equalis locato quo

[illegible] dyametri locati [illegible] quo [illegible]

[illegible]

[illegible]

locus non [illegible]

[illegible] accidens [illegible]

accidens [illegible]

[illegible] locus [illegible]

[illegible] magnitudo [illegible]

[illegible]

Item aliquid in [illegible]

[illegible]

33

[illegible]

[illegible]

Et tempus dicitur numerus [illegible] motus quia definitur [illegible] temporibus [illegible]

[illegible] talis [illegible] communis [illegible]

[illegible] definita definitur [illegible]

[illegible] qui talis motus [illegible]

[illegible] integralis [illegible] sunt [illegible] per [illegible]

[illegible]

Vacuum

[illegible] vacuum [illegible] in quo [illegible] vacuum [illegible] corpus [illegible]

[illegible]

[illegible] quia sit vacuum [illegible] secundum unam longitudinem latitudinem vel profunditatem [illegible] subiectum [illegible] penetrationem [illegible] recipere corpus [illegible] vacuum [illegible] distinctum [illegible] magnitudine [illegible]

[illegible] vacuum [illegible] corpus [illegible] vacuum [illegible]

[illegible] vacuum [illegible] corpus [illegible]

q(ui)d sit q(uo)d motu(s) sit

sup(er) magnitudine(m) ...

... p(ar)te(m) (et) p(ar)te(m) ...

sillaba magne

Tempus

[illegible]

Et tertio [illegible]

[illegible]

igitur est temporis ... materia [illegible]
in [illegible] ... alter [illegible]
materia [illegible] medio [illegible]
[illegible]
[illegible] medio [illegible]
[illegible]
[illegible]
medio [illegible]
[illegible]

Dicitur ergo quod [illegible]
[illegible]
[illegible]
[illegible]
[illegible] continuat
[illegible]
[illegible]
[illegible]
[illegible]

[illegible]
[illegible] temporis [illegible]
[illegible] ad [illegible]
[illegible] temporis [illegible]
non [illegible] quia [illegible]
[illegible]
[illegible] qui [illegible]
[illegible]
[illegible] temporis [illegible]
[illegible]
[illegible]
[illegible]
[illegible] temporis
[illegible]
temporis [illegible]
[illegible] temporis [illegible]
[illegible] temporis [illegible]
[illegible]
[illegible] temporis [illegible]
[illegible] temporis

[illegible]

Materia de tempore

De tali [illegible]

[illegible]

29 tt tatg

Elementum d[e] mi[x]tis

Tractatus [illegible] libelli [illegible] [illegible] et tempore [illegible] [illegible]

[illegible]

antiqua [et] [illegible]

[illegible] tertium est [illegible]

Elementum [illegible]

[illegible] apud arte[m] [illegible]

[illegible]

[illegible]

Duo elementa ... primeva [illegible]

mixti [illegible] diffinit elementum [illegible]

Ex quibus componuntur [illegible]

In eadem [illegible]

Ipsum formam [illegible]

Et in mixto [illegible]

quibus [illegible] aque [illegible]

Ether sit quinta

elementum [illegible] quatuor [illegible]

aer aqua tellusque [illegible]

corporibus primis [illegible]

caliditatis siccitatis frigiditatis

humiditatis [illegible]

[illegible] aer [illegible]

[illegible] aqua [illegible] frigida et humida

[illegible]

[illegible]

Questimant

[illegible]

[illegible]

Quas predicte

[illegible]

Calidum est [illegible]

[illegible] congregat homogenea [illegible] disgregat extranea [illegible]

[illegible]

[illegible]

Frigidum est

[illegible]

Ut qualitas comprobatio medea

For singuli et ... dabo formas

[illegible]

Ut alterando ... compositio sita

[illegible]

Humidum est

[illegible]

Quid et quia qualitas

[illegible]

Tempus alternique

[illegible]

[illegible]

[illegible]

Quantum est q(uo)d b(ene)

[illegible]

In medio differt altera a [illegible]

[illegible] qualitate [illegible]

quale actuale in quale actuale [illegible]

[illegible]

Item due quali

[illegible]

[illegible]

Generat[ur] at

[illegible]

Generatio est du

[illegible]

Quod q[ui]s per auctum sit auctum [illegible]

Augmentum [illegible] augmentabile [illegible]

Et alia quod in [illegible]

In formis [illegible]

Et [illegible] addi [illegible]

[illegible] contracta [illegible]

[illegible]

sed caliditas & frigiditas [illegible] aqua que est [illegible] [illegible]
[illegible]
quod sit [illegible] tempora elementorum [illegible]
[illegible] qualitatum [illegible] forme [illegible]
[illegible]

[illegible]

Unde patet quod ele[menta]

[illegible]

[illegible] Contractus [illegible]
[illegible]
[illegible]

Et iuxta quod quando

[illegible]

[illegible]

[illegible]

Vitiatio est unitas

[illegible]

in virtute prima ut corpus fructificans

[illegible]

Differt autem

[illegible]

[illegible]

Vigiventias

[illegible] augmentatio [illegible] alteratio [illegible]

[illegible]

Ut no q augme

[illegible] ad augmentatio [illegible]

[illegible]

[illegible]

Vegetal[is] [illegible]

tenuat[ur] [illegible] 36 [illegible]

2 augmentatur [illegible]

actu[s] [illegible]

Ubi 2[us] [illegible] vegetab[ilis] [illegible]

[illegible]

Adamo et adpa

[illegible]

[illegible]

[illegible]

Ratio est dux

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] differencia

[illegible]

Anima accidens vapor

39 capitulum

[illegible]

intencia mouet corpus de anima
Ergo dicitur 2o de anima quod actu
et magnitudo animal et [illegible]
sed etiam anima in genere que est
alterius per [illegible] naturalis
Et dicitur primus et [illegible]
alia qua dicitur anima [illegible]
primus dicitur in diffinicione actus
vel actus [illegible] respectu forma
speciali vel accidentali [illegible]
quamvis res dicitur esse in
actu quia prius est in potencia
et anima qua dicitur actus
corporis quando est [illegible]
corpus et actus [illegible]
prius est in potencia [illegible]
[illegible] introductionem anime [illegible]
Dicitur primus actus unde
[illegible] primus dupliciter uno modo
simpliciter quia non est eo prius
et solus deus est actus primus
[illegible] prius alio modo
[illegible] Et [illegible] dicitur actus [illegible]
[illegible] operacionem [illegible]
et principium vitalium in corpore
et actus primus [illegible] dicitur
forma aqua apte nata est
[illegible] procedere actus operacionis
[illegible] dicitur actus primus
[illegible]
[illegible] que sunt diffinicionem [illegible]
[illegible]
[illegible] quia diffinitur
[illegible] scilicet actus primus
[illegible] actus dicitur aliquis actus
[illegible] primus [illegible]
in diffinicione corporis et [illegible] corporis
non [illegible] capi [illegible]
[illegible]
[illegible] forma et forma
[illegible] capi [illegible]
[illegible] naturalis [illegible]
[illegible] dicitur dicitur organica

unde corpus organicum dicitur
[illegible] corpus habens diversa ad
diversa officia deputata sicut
homo habet oculos ad videndum aures
ad audiendum pedes ad ambulandum
Dubitatur quomodo [illegible] anima
plantarum est actus corporis or-
ganici [illegible] quod arbor
vel planta habet radicem truncum
ramos et folia que sunt de-
putata ad diversa officia nam
radices sunt [illegible] ad adtrahendum
nutrimentum [illegible] truncum
[illegible] ad [illegible] vivificandum
sed ramum ad fructum [illegible]
sed folia ad fructum [illegible]
Ergo [illegible] quod anima plante est actus
[illegible] corporis physici organici
[illegible] corpus [illegible]
naturale et dicitur [illegible]
[illegible] corpus [illegible]
[illegible] corpus [illegible]
[illegible] non
est actus primus [illegible] dicitur
vita [illegible] in potencia [illegible] vita
dicitur dupliciter uno modo pro actu
vitali et dicitur 2o de anima
[illegible] vivimus [illegible]
anima est primum [illegible] alio modo
dicitur pro potencia vitali et [illegible]
capi [illegible] diffinicione et [illegible]
[illegible] scilicet vita
[illegible] in potencia [illegible]
[illegible] actum vitalem [illegible]
quod ita diffinicio [illegible]
[illegible] non est completa [illegible]
[illegible] et aliis
habitibus [illegible] et ergo
ad diffinicionem [illegible]
quod [illegible] diffinicio
[illegible] actus primus
[illegible] corporis [illegible]
[illegible] physici [illegible] naturalis

[illegible] magnitudinis et augmenti [illegible]
Utrumque autem [illegible]
Principium apprehensionis [illegible]
De sensibili [illegible]
Sensibile fit ad [illegible]
In aqua separate [illegible]
[illegible] [illegible]
Apprehendere [illegible] quod sit in
Distancia [illegible] videndi [illegible]
[illegible] autem mediante [illegible]
[illegible] in actu [illegible]
[illegible] in [illegible] tabula [illegible]
[illegible] sensibile ut in
[illegible] cum [illegible]

vita [illegible] in potencia [illegible]
[illegible] in potencia [illegible]
actum vitalem [illegible]
[illegible] dicta [illegible]
quod anima [illegible]
[illegible] ut dictum est [illegible]
actus [illegible] prima que
est prima potencia dicitur primo
[illegible] quod [illegible]
et activitate Dicitur primus
[illegible] actus [illegible] ut sunt
[illegible] sentire [illegible]
operacionum anima dicitur actus
primus quia est principium operacionum
vitalium dicitur [illegible]
[illegible] ut [illegible]
[illegible] non sunt actus [illegible]
[illegible] corporis [illegible]
que non sunt actus alicuius corporis
[illegible] separate ab omni corpore
dicitur organicum [illegible]
quod [illegible] non sunt corpora organica
Dicitur physici [illegible] corpus
[illegible] cum anima
non dicitur actus et additur vita
[illegible] in potencia [illegible] forma
[illegible] que non [illegible] opera-
cionis vitales [illegible]
[illegible]
[illegible] corporis [illegible]
[illegible] vitales et ergo [illegible]
2o de anima [illegible] diffinit [illegible]
anima est actus primus quo
[illegible] movemur
[illegible] in [illegible]
[illegible] diffinicio datur per actus
[illegible] anima
Sed [illegible] non est [illegible]
[illegible] est actus primus [illegible]
[illegible] actus [illegible]
anima est actus [illegible]
[illegible] quod solus [illegible]
[illegible] dicitur quod actus
[illegible] naturalis [illegible]
[illegible] actus

alios ca^r lon^u · 4^c ꝗ ꝯ q^r ng
anglis · 4^c ly aia pt dia
angelis q^r ꝯ tung anglis
q^z retinuz k adplm diaz
q^r ꝯlt^z ꝺ diffinic ꝯsitatiua
4 ꝓe dicta cl^z cl ꝯpinit q
dicitate nd mo angls no ꝯ
ꝗ dit ꝓe q^z aq cꝯ m a
ꝗo angls ut^r diffinitz diffit^z
ccl diffinitur p additamentu
i ꝓsuis ꝓctu cui m ꝯ ul
aliqua depedz mea · dicas

Nata in posibile

potnole q ꝓphs mtdicat
ꝓtu vonis determinac de ponis
anime 4 ut dica q no ꝯ
ꝑle aliqua ꝑoz cu ꝑpe
d ꝓuatu ꝓpo appeticie nale
ꝺ lege patz p damescenu
dnis 4 ꝓe pt ꝺ claraꝯ sit
aliq ꝓtio ꝯpb operacile
nale cl^z caꝯ 4 ꝯstra
q qꝯ ꝯ ordinata
ad qua ꝓam opacoz nale
[illegible]

nale q pi no tut pt oacsa
[illegible]
ꝺ sciunt ꝓustra ut d^z
ꝓmo celi 4 i ꝓo de aia
Item pam ta cl^z ꝺ
in actu scdo 4 ꝓe
[illegible]
aliquo organo corporali sibi
[illegible]

[illegible]

ꝑpt ꝑnta ꝗ ꝺ ꝑpb ꝑp ꝑpa
[illegible]

Item pone aie dun

[illegible]

Velongis in side 4 vertem
[illegible] gaude ul ꝓstac
ꝓpa a corpe · dicis aia
no ꝯ ꝓpaz opacoz ut ꝓmo de aia
ꝓquo non [illegible] gabet ꝓ opacz
pt intelige dupliciter uno ꝓ
a a corpe pt q ꝓcorpa pt ꝺ
ꝓ aliqs opacoz sine corpe
ꝓt aia nulla ꝯ ꝓpaz opacoz
ꝓus in corpe [illegible] pt intelligi
ut aia habeat ꝓ operacio
ꝓt q pt ea [illegible] sine
aliquo organo corporali sibi
adhc deputato 4 c intelige ꝯ
ꝓpa opacu anie q^z no ꝯ aliq
organu sibi deputu adintellige
nisi ꝓsupponit q ꝓsupponit ꝓa
tasia q i c constat ꝓ b i [illegible]

Item pone aie dun

ic determinat de pons anime 4
ꝓmo in quali [illegible]
gitatiua [illegible] adprim
pat duab diuisio ꝯ ꝓa
ꝯ cl bn qiqz ꝓue pone aie
ircreduabiles adm ꝺ uie ꝓm
diuisioz [illegible]
[illegible]

Item sciendum quod potentia appe-
titiva alia est una que potentia alia
que consistit in actu et sic capi-
tur appetitus naturalis secundum quod potentia
appetitiva appetitus actualis
[illegible]

[illegible]

[illegible]

[illegible]

Vel sic dividitur

[illegible]

Vel sic ab[illegible] dividitur

[illegible]

[illegible]

Quatuor sunt

[illegible] ... attractiva [illegible] ... appulsiva ...

[illegible]

... planta ... [illegible]

[illegible]

[illegible]

Hũatmacst ans

[illegible]

[illegible] ... appetitu ... [illegible]

... potestate

Augmentativa actu[s]

[illegible] ... vegetatiue ... potencia augmentativa ... [illegible]

[illegible] ... alimento

Potencie active

[illegible] ... potencia ... [illegible]

quid sit apprehensiue quid mo[tiua] ... pro quo notandum ... quod in eodem supposito ... eadem anima ... apprehensiua et motiua ... diversis racionibus ... apprehensiua ... apprehendit ... species ... obiectum ... movet ... [illegible]

[illegible] ... motus ... [illegible]

... potencia ... motus dilatacionis et constriccionis ... potencia ... sensibilis ... [illegible]

Et diversitas sensibilium

[illegible] ... potencias sensitivas et vegetativas ... potencia ... [illegible] ... potencia sensitiva

apprehendit suum obiectum ... spiritualiter ... potencia vegetativa recipit suum obiectum ... [illegible] ... colorem ... potencia ... materialem ... potencia ... sensitiva ... potencia vegetativa ... [illegible]

[illegible]

[I]mpr[illegible]

[illegible]

[illegible]

[I]tem sensum in duo

Hic aparat [illegible] adivia[illegible] [illegible] duo sunt magnitudine [illegible] alii [illegible] gustus et tactus [illegible]

[illegible]

[illegible]

Videtur dicendum quod

[illegible]

[illegible]

qu

Medium visus

[illegible]

[illegible]

[illegible]

[illegible]

Ubi autem olfactus est

[illegible]

Obiectum gustus

[illegible]

Determinat [illegible]

[illegible]

Sextus [illegible] plus

[illegible]

Tractatus [illegible]

Hic determinat [illegible]

[illegible]

[illegible]

Sensibilia

[illegible]

[illegible]

[illegible]

Item sensibile commune

[illegible]

Item sensibile ... seu

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Ymaginandum est

[illegible]

[illegible]

... dormiente vel ...

... imaginativa est ...

... appetitiva bonum ...

... appetitiva ...

... dolor ...

[illegible]

[illegible]

Formatiua pot[enti]a

[illegible]

Estimatiua est

[illegible]

[illegible] memorativa [illegible] memorativa

vel in sanctificatione [illegible] sunt [illegible]

[illegible] sunt actus [illegible]

sunt receptiones obiectorum [illegible]

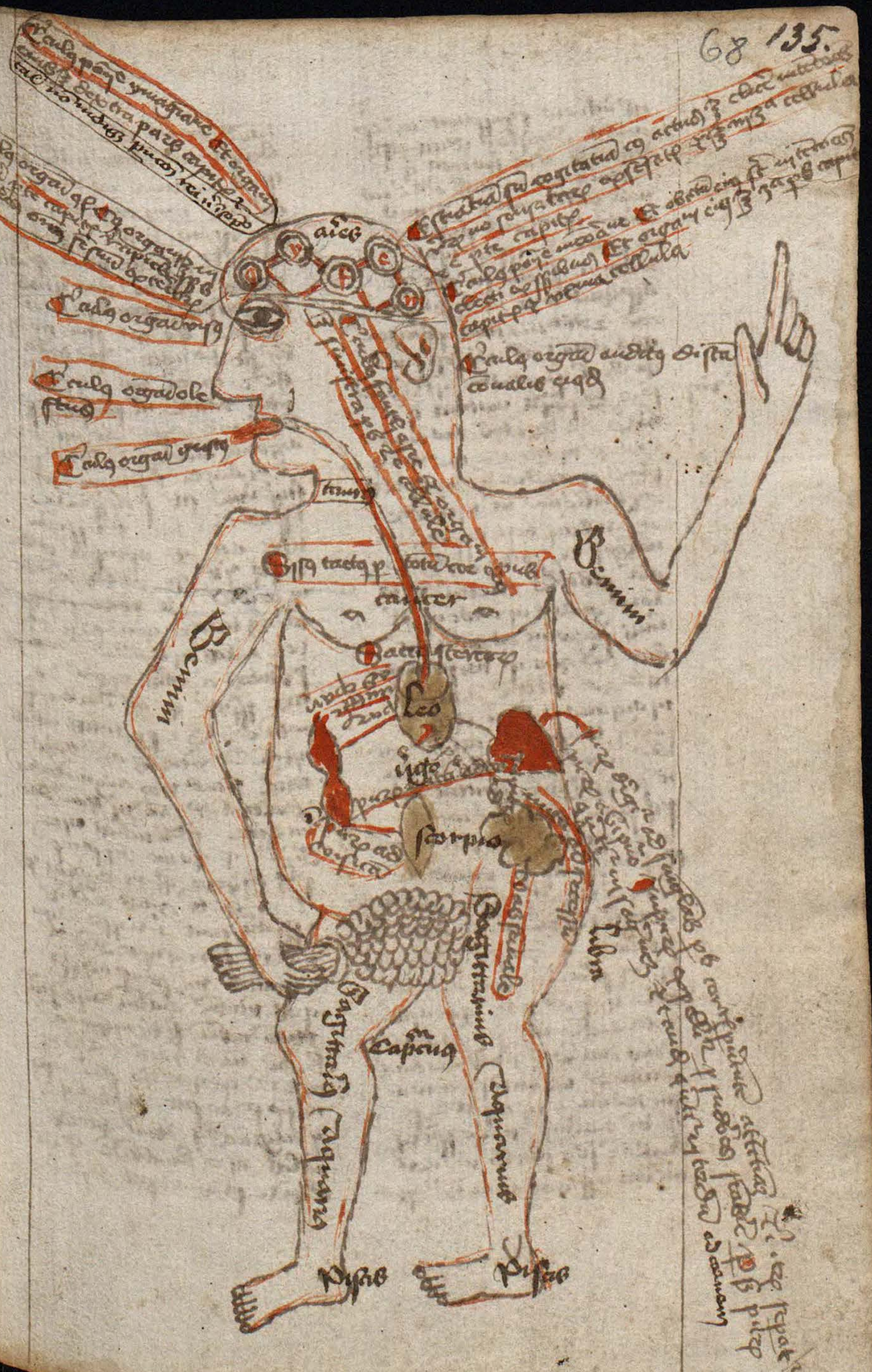
ut sunt timor dolor [illegible]

[illegible]ativa

[illegible]

Virtus motiva

[illegible]



[illegible] Perpendunt [illegible]

[illegible]

[illegible]

[illegible]

Volt potencias
pravas
in hoie
lenim

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Postpredicamenta

[illegible]

[illegible]

[illegible]

[illegible]

Item intellectus

[illegible]

[illegible] ponit [illegible] speculativus [illegible] practicus [illegible]

[illegible] mediante fit [illegible]

[illegible] ponit [illegible]

[illegible] ponit [illegible]

[illegible] speculativus [illegible] practicus [illegible]

[illegible] practicus [illegible] practicus [illegible]

[illegible] speculativus [illegible] practicus [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

indicat rea [illegible]

capit [illegible] pleges [illegible]

fando [illegible]

[illegible] pleges [illegible]

[illegible]

Ergo [illegible]

[illegible] publice [illegible]

[illegible]

[illegible] in [illegible] ... quidam intellectus qui dicitur prudentia ... [illegible]
... sapientia [illegible] intellectus ... qui dicitur sapientia [illegible]
... intelligibilis [illegible] superior [illegible] ... qui dicit superior [illegible]
... intellectus [illegible] ... intellectus agentis [illegible] superior [illegible]
... intelligentia [illegible] cognoscit [illegible] ... intellectus [illegible]

[illegible]

Unus intellectus

[illegible]

[illegible] (marginal glosses and right-hand page text, heavily abbreviated)

[illegible]



Circa questiones marsilii sup(er) par(v)a naturalia :·

Queritur utrum sit ponenda de talibus scientia de passionibus et operationibus animatorum distincta a scientia libri de anima et a scientia libri de animalibus et plantis et ita de aliis libris philosophie naturalis seu parvorum corporum que pertinent ad parvos libros naturales. Ista questio … et quod queritur presupponit … primo de passionibus et operationibus animatorum sit scientia. Secundo queritur utrum de eis sit scientia et distincta a scientiis aliorum librorum philosophie naturalis. Et arguitur primo contra presuppositum … et passiones animatorum sunt corruptibiles … possibiles aliter se habere ergo de eis non est scientia quia … philosophie … scientia est necessaria … possibilium aliter se habere. Et omnes … operationes et passiones animatorum sunt … non … Secundo arguitur … operationes et passiones animatorum non sunt … generata … singularia … generabilia ergo de eis non est scientia … quia non … scientia est habitus … Et antecedens satis notum est. Tertio arguitur operationes et passiones animatorum sunt res … ergo de eis non est scientia … scientia est … Quarto arguitur nulla scientia est de … de operationibus et passionibus animatorum non est scientia … sunt res … Et antecedens est … Confirmatur … et … ponendo … Quinto arguitur passiones animatorum sunt … casualia

Et fortuita [illegible] de eis non est scientia quia [illegible] per se [illegible] de casualibus non est scientia. Et ideo notandum [illegible] Septimo [illegible] [illegible] [illegible] et [illegible] [illegible] [illegible] non coniungit scientia [illegible] [illegible] non coniungit scientia. Decimo [illegible] ad scientiam libri de anima spectat de [illegible] de [illegible] passionibus animatorum [illegible] non [illegible] ad scientiam [illegible] [illegible] [illegible] de anima [illegible] [illegible] [illegible] quia ante [illegible] [illegible] [illegible] [illegible] [illegible] de [illegible] rebus et non [illegible] [illegible] de anima [illegible] de [illegible] passionibus [illegible] [illegible] [illegible] animatorum [illegible]

Consimiliter [illegible] [illegible] de [illegible] de [illegible] [illegible] [illegible] scientia [illegible] [illegible] libro de anima [illegible] et passionibus [illegible] animatorum [illegible] de anima [illegible] passionibus [illegible] animatorum [illegible] ad librum de animalibus [illegible] de [illegible] passionibus animatorum [illegible] non [illegible] ad [illegible] de anima [illegible] [illegible] [illegible] [illegible] passionibus [illegible] animatorum [illegible] de animalibus [illegible] ad [illegible] passionibus [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] librorum methaurorum [illegible] [illegible] libri [illegible] [illegible] [illegible] methaurorum

quia [illegible] [illegible] scientia [illegible] et [illegible] Certo [illegible] [illegible] de anima [illegible] [illegible] de libro [illegible] [illegible] de quibus [illegible] de quibus [illegible] quia [illegible] et [illegible] notandum [illegible] Quinto [illegible] [illegible] [illegible] [illegible] [illegible] de [illegible] passionibus animatorum [illegible] ita scientia non [illegible] [illegible] [illegible] [illegible] et [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] de [illegible] [illegible] passionibus animatorum [illegible] [illegible] [illegible] [illegible] passionibus animatorum [illegible] scientia [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] passionibus animatorum [illegible] scientia [illegible]

Primus articulus

[illegible] [illegible] [illegible] scientia [illegible] Primo [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] passio [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] animatorum [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible]

Potentie vel operibus earum patet quia est de operationibus [illegible] quas
nos libere producimus sed de visionibus et aliis sensationibus
[illegible] ista scientia est per se naturalis [illegible] est specu-
lativa [illegible] tota scientia et practica [illegible] naturae [illegible]
[illegible] notandum est [D]ivisio [illegible]
est notandum quod sicut [illegible] omnes
actus et operationes humanas [illegible] ordinat [illegible]
mediate vel [illegible] fine humano [illegible] ipsam felicitatem [illegible]
quo [illegible] quod ista scientia [illegible] sit per se finis humanus [illegible]
felicitas humana patet quia felicitas humana est operatio
[illegible]

voluntatis sed ars fabrilis quamvis faber non consideret de peri-
culo seu parte faber corrigit de opus. Et tamen ars recta
prudentia. Et non distinctio sciencie compte finis. Sed extendi po-
test sic de mente quia omnes sciencie ordinantur ad ultimitatem de speculativis
vel infelicitate. Sed compte obiectorum distinguuntur. Ars
scientia est de contrariis cum non [illegible] quia non operantur libere
pro intentione et voluntate vel saltem ea ratione quod tamen ea operantur
libere pro intentione et voluntate [illegible] scientia de eo sit
de operabilibus aliquando non tamen dicitur ea operari vel non est
de eis prout [illegible] tamen ea operantur libere pro intentione et vo-
luntate. Prudentia vero est de eis tamen quae libere operantur pro intentione
et voluntate vel saltem est de illis prout ea vel tamen ea operantur
libere pro intentione et voluntate seu est de illis quae subsunt
nostre operationi voluntarie. Sed ars fabrilis est etiam [illegible]
prout possumus facere collectionem operibus. Sed possemus
dubitare quia [illegible] distinctio non est [illegible] sicut compte sic
vel compte obiecti. Contra quia distinctio [illegible] sunt compte ob-
iectorum [illegible] et iunior [illegible] artis [illegible] finium
[illegible] de potestate nostra est ordinare [illegible]
vel non ordinare ad opus. Unde patet quia actus [illegible]
artis fabrilis et non operari per eam. Unde non est de potestate
nostra quod aliqua scientia sit prudentia vel scientia. Sed [illegible]
est [illegible] non est de potestate nostra quod [illegible] obiectum sit
operabile vel non operabile. Aliquando non [illegible] est distinctio
compte actorum quia compte finium quamvis non [illegible]
[illegible]. Sed [illegible] notandum quod [illegible] est operatio seu [illegible]
[illegible] electio [illegible]
[illegible] voluntate [illegible] electio est [illegible]
et agibile. Et electio [illegible] ordinatur [illegible]
[illegible] ethicorum. Sed [illegible] est operatio [illegible]
sufficiens seu non manens de [illegible] suo [illegible]
[illegible] locum de [illegible]. Cum [illegible]
[illegible] quod [illegible] quia [illegible] scientia longe [illegible]
[illegible] se [illegible] scientia est prudentia vel scientia
[illegible] quia [illegible] scientia vel ordinatur [illegible] mente [illegible] in operibus [illegible]
ordinatur de mente de speculativis [illegible] sufficienti [illegible]

Si [illegible]
[illegible] sit est prudentia. Si [illegible] sit est scientia. [illegible]
[illegible] scientia est prudentia et scientia [illegible] ita quod [illegible]
scientia [illegible] sit sic [illegible] finem de mente. [illegible] quod
[illegible] quia [illegible] scientie prudentia [illegible] sit esse
scientia [illegible] scientie [illegible] sit prudentia
[illegible] quod [illegible] finem ordinantur [illegible] scientia [illegible]
[illegible] quod [illegible] ordinis [illegible] operari
et [illegible] saltem de mente ut [illegible] est quod [illegible]
non [illegible] utrumque [illegible] scientie [illegible]
ordinare [illegible] saltem [illegible]
[illegible] scientia ordinantur [illegible]
[illegible] et [illegible] est [illegible]
[illegible] quod [illegible] intellectualium [illegible]
[illegible] distinctionem [illegible]
[illegible] quia [illegible] quod [illegible] moderare [illegible]
[illegible] de [illegible]
[illegible] quia [illegible] est prudentia et [illegible] est
scientia [illegible]. [illegible] sed quia [illegible]
quod [illegible] est scientia [illegible] non est de [illegible]
[illegible] quia [illegible] est scientia prudentia [illegible] de scientia [illegible]
[illegible] quod prudentia [illegible] ut [illegible] ut est [illegible]
[illegible] scientie [illegible] quod de prudentia [illegible]
[illegible] quia non [illegible] de mente operari [illegible]
[illegible] de mente [illegible] quod operativa vel saltem
[illegible] adoptivus ut ita est [illegible]
prudentia [illegible] honorandi. Sed ita honor est melior
quam [illegible] non ordinatur de mente de opus [illegible] non
est prudentia [illegible] adoptivus [illegible] est
[illegible] operativa [illegible] potentibus [illegible]
[illegible] bonum [illegible] honor est [illegible] bonum quia [illegible]
[illegible] honor de [illegible] est potentibus [illegible] quod
est prudentia seu operativa [illegible]
prudentia et [illegible] scientia. [illegible] est [illegible]
scientia [illegible] libris [illegible] vel [illegible] saltem

naturalis dicitur est speculativa et non practica patet quia est de rebus prout non cadunt sub operatione liberi arbitrii [illegible] et voluntatis sed prout sunt aliqua [illegible] quia non est [illegible] et anima [illegible] [illegible] quia scientia tradita de ista libro est [illegible] [illegible] scientia [illegible] naturalis est speculativa [illegible] cuius [illegible] [illegible] sed [illegible] quia [illegible] [illegible] in istis libris [illegible] operativa [illegible] [illegible] et practicum [illegible] [illegible] non [illegible] integritate [illegible] scientia [illegible] motu [illegible] [illegible] [illegible] [illegible] ita scientia sit practica [illegible] scientia est de operabilibus [illegible] ergo est practica [illegible] [illegible] [illegible] [illegible] scientia practica est de operabilibus [illegible] prout [illegible] [illegible] operationi libere [illegible] voluntatis [illegible] [illegible] scientia est de operabilibus [illegible] [illegible] [illegible] ut [illegible] operationi libere quia [illegible] visio [illegible] [illegible] [illegible] non [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] sunt [illegible] visibile [illegible] [illegible] visio [illegible] et non est in potestate hominis non videre [illegible] [illegible] [illegible] [illegible] et sic de primo articulo

Secundus articulus [illegible] articulus in quo videndum est ad quaesitum [illegible] est primo quod quaedam sunt passiones seu operationes [illegible] [illegible] quae in [illegible] [illegible] [illegible] in libro de caelo et mundo et in libro de generatione et corruptione [illegible] sunt passiones seu operationes [illegible] animatorum [illegible] [illegible] [illegible] [illegible] [illegible] operationes [illegible] animatorum non [illegible] soli corpori [illegible] [illegible] toti composito seu [illegible] [illegible] [illegible] alteri [illegible] [illegible] [illegible] [illegible] anima [illegible] [illegible] aut [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] melius [illegible] [illegible] [illegible] [illegible] [illegible] aut [illegible] [illegible] intelligere [illegible] [illegible] [illegible] [illegible] passiones seu operationes prout [illegible] [illegible] primo prout tenet se [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] libri de anima [illegible] prout [illegible] prout tenet se [illegible] corporis [illegible] [illegible] [illegible] in [illegible] [illegible] [illegible] [illegible] [illegible] animatorum [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] libris [illegible] prout [illegible] prout se tenet [illegible]

[illegible] in [illegible] [illegible] [illegible] [illegible] de [illegible] animalium [illegible] [illegible] [illegible] [illegible] [illegible] libri de animalibus et plantis [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] scientia libri de anima [illegible] [illegible] scientia libri de anima [illegible] [illegible] et partibus animatorum prout [illegible] se tenet [illegible] [illegible] [illegible] ita scientia [illegible] de eis prout [illegible] se tenet [illegible] corporis [illegible] in [illegible] [illegible] [illegible] [illegible] scientia libri de animalibus et de plantis [illegible] de eis prout se tenet [illegible] corporis [illegible] in [illegible] ut [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] de qualitatibus [illegible] [illegible] sensibilibus [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] seu [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] puta caliditas frigiditas humiditas et siccitas [illegible] libro de generatione [illegible] [illegible] [illegible] sensibilibus [illegible] [illegible] [illegible] colores [illegible] [illegible] quo [illegible] [illegible] [illegible] [illegible] [illegible] metheororum [illegible] [illegible] [illegible] [illegible] qualitates [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] prout se tenet [illegible] [illegible] [illegible] [illegible] de eis [illegible] libri de [illegible] [illegible] [illegible] libri [illegible] prout [illegible] prout se tenet [illegible] corporis [illegible] de eis [illegible] libri naturalis [illegible] [illegible] [illegible] [illegible] librorum [illegible] naturalis [illegible] prout [illegible] [illegible] [illegible] in [illegible] librorum [illegible] naturalium [illegible] [illegible] [illegible] de passionibus seu operationibus animatorum prout se tenet [illegible] corporis [illegible] [illegible] [illegible] libris non [illegible] de operationibus seu passionibus [illegible] [illegible] [illegible] [illegible] [illegible] operationibus [illegible] [illegible] [illegible] [illegible] seu vegetativae [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] est anima [illegible] [illegible] [illegible] [illegible] [illegible] operationes [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] est [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] operationibus seu [illegible] [illegible] [illegible] ut [illegible] ita scientia [illegible] [illegible] in libris de sensu et sensato de somno et vigilia [illegible] de memoria et reminiscentia [illegible] [illegible] [illegible] operationibus [illegible] vegitative ut [illegible]

Et ita dicit in libro de longitudine et brevitate vite [illegible]
morte et vita [illegible]
[illegible] qui per considerationes vel partes [illegible]
Et ita tradit in libro de progressu animalium Et in libro
de motu cordis animalium Unde non sunt plures libri [illegible]
naturales [illegible] dicti saltem apud nos translati [illegible]
[illegible] distinctio [illegible] naturalium [illegible]
librorum naturalis philosophie Habito [illegible] distinctione [illegible]
librorum [illegible] de quibus non [illegible]
consideratio [illegible]
[illegible] naturales [illegible] animalium [illegible]
[illegible] notanda [illegible] non [illegible]
[illegible] distinctio [illegible] naturalium [illegible]
[illegible]

[illegible]

nota [illegible]

[illegible]

[illegible] quas considerat [illegible] Unde
[illegible] puta naturalis et methaphisica [illegible]
rebus [illegible] naturalis considerat [illegible]
rebus [illegible] Et methaphisica [illegible]
[illegible] quas vel [illegible] saltem [illegible]
[illegible] quibus Secunda [illegible] ponendo est
consideratio scientifica de [illegible] et passionibus animalium
[illegible] considerando [illegible]
[illegible] de [illegible]
[illegible] in libris de anima Et in libro de animalibus et plantis
[illegible] naturalis [illegible] consideratio
[illegible] in libro [illegible]

[illegible]

[illegible]

quibus adequata multiplicata specierum quod mediate distante multiplicata specierum immediate sunt in eiusdem medio. Et de articulo secundo etc.

Tercius articulus

:- Utrum adaucta ... [illegible]

[illegible]

[illegible]

tacoes q hi no rapuit i ignorante Vnde inqrit
pntes qlibeti mag et aristo les i pntes a co
d adaqd dubitac d singlis no e i utile Pqu
sitii q dubitac d utraqz pte qdictois gngit diu
ino sy rõibz pbabi bz et ol sy conamie i iu
endi mea pbabilia adutraqz pte qdictois Et
no e inqud utile dubitac d utraqz pte qdictois
Ado gngit diue d utraqz pte qdictois ad medi
pbabilibz a i usu i iuciendi hgi media et e
multu utile z expeditis ad excitatoz int
et adeqz utilitz sine pabili tez Tercio qd lib
tu e quaes excellens sua pat ad pfecta vitu
pat ad vpras moralibz z pcdit s prudecia no s
tu tribz pcdib z vicijs moralibz Quinto
8 id qdlibetu e nonu q prudecia e hitus pcting
qsyttes a opacois huanas illicitas docens qi a
z qd ulcig dimittes pt et diffit prudecia e ra
to agibiliu i elegibiliu Hy opacio illicita e opa
voluntas ul intitiue q mag dmitttn ul i voluntate
Ey opacio i pata e ea q mente impie volunt fiat
i mebra extiora et res extiores Tunc de lig
prudecia no pt idutus hy ipa no e sy ratc [illegible]
aristoles et ethicorz dt q virtutes morales [illegible]
vicijs z pccac i dissolubir pt quepe s Ba[illegible]
s hitus qos pduntir nassitus z hgi hitus q
no e pt d dissolui quodus ad virtutibz moralibz
Et lo pat q ads pt valde mali i moribz et [illegible]
excellens sacio s no pat adqua de pdente
moralr mala ut ait dng z g d 2o articlo
Nonus an opositu Sedpai ue qua adpbaoes
q pntes vt ey d corruptibz z d gngtentibz i
coporibz q aly pt ue z alij ple no e sacia
epigrinis Tercia ue qua adpbaoes qu ey sacia
e hitus qos taqz sati qnig solo bz no obstante
qd sacia e hitus qos vel sacia d qos aut ol [illegible]
pt beny ul tag qos tag sabil vnioni ul i [illegible]
tissime Sedecia ue qua adpbaoz dratur

q pntes vt q gpoes sunt no pt sabiles taqz sabi
lia [illegible] salt d inrace tria Sedecta ue aus
adpbny qt q vt q d sensibz adqtur q no pt gnoes
no e sacia taqz d sabibz gnoes Vicesima ue qua ad
pbacoz dt q sac no distinguunt pobicon i gnos adgo
latas salt vl pt distingiunt z dinsas vel obtalles
Et quo hc pt melius pz qodlas ca fine sedo articl
Vicesima ue qua ad pbny d pbat sed dou e pcpta
q de sabilibz gnoes Vicesima tercia ue aus adpbny
pgosz dt q nl sat nis vny tag sal Cuiusquid De
ny ti adeod ammittes q qsiteo Tcias ue qua qt duisr
sae hy qsideant de eisdz rebus liz hc pt dui sidec
Et adaristolez pz q pt dcm qodlas in arlo Cele
dina adqsuacoz dicedo qce o q adsac lib d aia
pertat d tradr d opacoibz z pobz diatoz s hc e alie
qu adsac i orz librorz Sedecias q sua lib de aiabz
z plantis alie qstat deisdz q sua prica librorz y
q dou e i arlo pi Secunda qslic q i 2o methisicz
alig qsidera d opacoibz diatoz q i ipis libris Sedo
vera qsy de in 2o d aia qsidecat d sono qredat
aus Ey qutu prtat adr d aia solu d tradi ibi
de de sono i qutu ipe est i mutatiuz sensz z ibi de
tia gg qutacoe soni hc e gnos tag dicta i 2o arlo cra
fine Sedequita dt q hc e ao no qy adputes libros
vera i rethorica docet pcuasac opacoes diatorz et
qrup eas diatr aconsac Et ibi docet psuasoes et
dissuasoes q sut modetatia passiony Et autoritas
p opbu e fidelis in 2o arlo Queritur qsequenter
vtz oma aiali sut uccia gusty z tactus Et arg q
ue supmo pt illi ppube
nota aus Queritur vtrum
nta oma aiali i ie qua
no esse z dt qb quibzdaz sensibz primatis ipi sunt
negant d ey no sut nta qua ey aoquu nois nta vita
ad ey no pt no e aus Et hag qsub pignati
signabiles sut illi pt triplices sub ol pt

pt zbad pinducitur Secdo arguitur ratione pur contra tactu na
si omi aiali est neccessarius tactus sic magis est neccessarius fuge
nociua et prosequi conueniencia sed neccessarius sic non per dicta consequentia
aiali tactus est neccessarius ergo et cetera quia tamen et arguitur supponit vnum falsum
scilicet quod si sic tunc animalibus affixis petris esset tactus neccessarius
quam fugere nociua et prosequi conuenientia quibus falsum quia talia
non possunt fugere nec prosequi ad sic petris aniwa et non
mouent de loco ad locum primo si aperirentur quibus sic cito
dissoluerentur non diu durarent Tercio arguitur sic quod omi
tactus est neccessarius sic magis est neccessarius fuge corruptiua
tangibilia sed sic non ergo et cetera arguitur supponit quod id sic semper corrupcio
esset corruptiua sensus saltem si sensui applicatur vnum falsum quia
si sic scilicet quod tactus esset neccessarius propter quod sufficit ubi [illegible]
corrupcia quia tamen quod videmus quod platee nimis corrupcio
ponit corruptibiles tangibilia vel frigiditas corruptibilis [illegible]
Quarto arguitur non omne aiali visus est neccessarius ergo nec tactus [illegible]
gustus quia tamen quod visus est nobilior sensibus [illegible]
est plurium rerum differencias ostendit tamen propter hoc consequencia [illegible]
ponitur aialia esse seu visu carencia Consimiliter [illegible]
wata sed aialia tactu non carencia et cetera propter [illegible] corpore
tias seu paucis morbus cadunt [illegible] cum [illegible]
vnt et eo morbo non sentiunt ut corrupcio quod pertur
re aque et coniuncto acuto ne sentiunt ut papiunt [illegible]
arguitur quod non omni aiali gustus sicut neccessarius quod sit gustus aial
pt est et vinit ergo et cetera quia tamen et corpus nos [illegible] pores
totile de aia dicitur ei sed solo sensu tactu [illegible]
modo et cetera ergo sensus tactus est neccessarius et [illegible] non gustus
Consimiliter et aiali quod dicitur anselles et decaua [illegible]
vegetativa [illegible] sit [illegible] pt esset tactus [illegible]
[illegible] sit [illegible] sensibus et non omni aiali gustus est neccessarius [illegible]
Sexto arguitur [illegible] gustus omni aiali est neccessarius vel [illegible]
et quando est [illegible] quando est [illegible]
omni pt dicta et cetera [illegible] et non [illegible] quod si sic [illegible]
[illegible] est gustus [illegible] quod non est planctus [illegible]
[illegible] quia quod [illegible] et quando est [illegible] reduplicacione et [illegible]

[illegible] vincet [illegible] pt dicta [illegible] et sic [illegible] quod [illegible] in
est gustus quibus [illegible] ut notum est propter [illegible] ut [illegible]
Septimo arguitur si omni aiali gustus est neccessarius sic magis est
necessarius sinne nutrimento sed consequens falsum sic non pt dicta necessarie
quia tamen arguitur supponit vnum falsum scilicet quod si sic tunc corpus radicaliter
seu vnde non et generaretur et ordinaretur plantas gustum ergo
plante est [illegible] sinne nutrimento cibus [illegible] et cetera neccessarius
[illegible] nutrimento [illegible] fugiendo non [illegible] cibus gustu
[illegible] gustus Octauo arguitur embrio est aial et tamen sed non
est gustus neccessarius [illegible] arguitur quod embrio [illegible] viuit in utero matris
vita plante et [illegible] vita aialibus ergo est aial [illegible] quod embrio
non recipit [illegible] nutrimento corporum gustus ergo gustus non
est sed neccessarius quia tamen quod [illegible] [illegible] sibi [illegible] propter
quod embrio recipit nutrimentum [illegible] vel non est [illegible]
gustus Consimiliter de anguilla [illegible] in [illegible] et [illegible]
[illegible] quare [illegible] est aial et tamen non [illegible] est [illegible] ut notum est
[illegible] non omni aiali gustus est neccessarius [illegible] est [illegible] [illegible]
[illegible] et [illegible] [illegible] Cuiusquestionis [illegible] arti in
[illegible] videri utrum omni aiali tactus sit neccessarius [illegible]
omni aiali sensus gustus est neccessarius [illegible] mouetur quod
libertati [illegible] [illegible] [illegible] [illegible] est [illegible] quod ad
[illegible] [illegible] [illegible] [illegible]

Primus articulus

[illegible] non [illegible] in [illegible] [illegible]
[illegible] dicta sensus tactus est omni aiali neccessarius et omni
aiali sensus tactus est neccessarius [illegible] sensus tactus [illegible]
[illegible] contra [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] adequatus [illegible] 8
[illegible] et [illegible] adequatus Ergo [illegible] quod [illegible]
[illegible] est [illegible] [illegible] non [illegible] pt non est [illegible] solus
[illegible] est [illegible] Ergo [illegible] sit quod ad [illegible] non pt est [illegible]
est [illegible] [illegible] sit quod [illegible] non pt [illegible] [illegible]
est [illegible] est [illegible] [illegible] [illegible]
[illegible] sine veteris artis [illegible] dicitur [illegible] et [illegible] et [illegible]
[illegible] est [illegible] ut [illegible] est [illegible] in [illegible]
[illegible] est [illegible] ethicorum [illegible] ut laudamus
ut vituperamus Sexto [illegible] actibus [illegible] et

[illegible]

Tercio sciendum [illegible] organum [illegible]

[illegible]

Secundus articulus

[illegible]

[illegible]

Tercius articulus

[illegible]

q[uod] [illegible] potauit forte prius i[n] organo gustus alic[uius] [illegible]
vinum [illegible] forte vinu[m] q[uod] forte mouet et i[m]mu-
tat sensu[m] gustus et q[ui]a [illegible] vinu[m] debile e[st] ut suppo-
[illegible] eius no[n] ita forte mouet ut i[m]mutat sensu[m]
gustus i[de]o no[n] p[er]cipit ita [illegible] vinu[m] debile i[n] gustu
[illegible] e[st] sapidus q[ui]a motus [illegible] p[ro]cedit [illegible]
[illegible] i[n] q[uan]tu[m] e[st] sapidu[m] q[ui]a facit q[uod] valde [illegible]
[illegible] p[er]cipit i[n] q[uan]tu[m] est [illegible] v[e]l calidu[m] [illegible]
[illegible] a[n]i[m]a gustus [illegible] tactus e[st] vel salte[m] no[n]
e[st] sine tactu. Tercio [illegible] q[uia] [illegible]
febricitantes iudicant o[mni]a cibaria [illegible] sapida [illegible]
amara [illegible] valde dulcia [illegible]
[illegible] organu[m] [illegible] organu[m] [illegible]
[illegible] humores mali [illegible]
[illegible] et q[ui]a isti humores [illegible]
[illegible] forte i[m]mutat organu[m] sensus [illegible]
indicat [illegible] dulce [illegible]
[illegible] Ad r[ati]o[n]es questionis ante opposit[as]
[illegible] q[uod] ita arguit [illegible] accepta [illegible]
que no[n] [illegible] sensus [illegible]
[illegible] a[n]i[m]alia no[n] [illegible]
moueat[ur] motu q[uo] i[m]mutat[ur] [illegible] moue[n]t motu
[illegible] fugiendo nociua et [illegible] moue[n]t motu dilata-
[illegible] p[ro]sequendo [illegible]
[illegible] puta q[uod] a[n]i[m]alia [illegible] tactu
[illegible] ita q[uod] [illegible]
[illegible]
[illegible] tactu q[ui]a [illegible]
[illegible] nobilitas seu [illegible]
[illegible] no[n] arguit [illegible] eius ut [illegible]
[illegible] tactu [illegible]
[illegible] tactu[m] una [illegible] organo [illegible]
[illegible] que [illegible]
[illegible] quarto [illegible] sit gustu [illegible]

[illegible] no[n] sit gustu [illegible] arguit [illegible]
[illegible] arguit [illegible]
[illegible] e[st] gustus et tactus [illegible]
[illegible] duplicacio[n]e [illegible]
[illegible]
[illegible] ubi [illegible]
[illegible] gustus [illegible] salte[m] gustu[m] [illegible]
[illegible] agrillo [illegible] i[n]tegritate
no[n] e[st] [illegible] agrillo [illegible] gustu[m] [illegible]
[illegible] allegata
[illegible]

Queritur utr[um] [illegible]
[illegible] ad [illegible]
[illegible] sensus visus [illegible]
[illegible]
[illegible]
[illegible]

[illegible] est qui e[st] notum ad vita[m] seu ad[?] audit[?]
[illegible] no[n] [illegible] ad [illegible] acquirit [illegible] ut notat [illegible]
[illegible] p[rim]o [illegible] parisien[sis] [illegible] 2 [illegible] conclusio
[illegible] Secunda [illegible] sensus [illegible] confert ad [illegible]
acquirendam [illegible] p[er]ticio[n]e [illegible] sit e[tiam] [illegible]
[illegible] quia [illegible] notat [illegible] p[rim]o [illegible] parisien[sis] [illegible]
[illegible] q[ui] [illegible] solo [illegible] ad [illegible] modo [illegible]
[illegible] aliis sensibus Tertio [illegible] sensus
[illegible] ad [illegible] acquirendam [illegible]
[illegible] [illegible] sit [illegible] tactus [illegible] quia [illegible]
[illegible] p[rim]o parisien[sis] [illegible] dicit Nota[?]
[illegible] carnis aptius [illegible] [illegible] ubi [illegible]
[illegible] q[uod] [illegible] subtile [illegible] tactus [illegible]
[illegible] Quarto ar[gui]t parisien[sis] [illegible]
[illegible] [illegible] aristoteles [illegible]
[illegible] auditus [illegible] sapientior[?] [illegible]
[illegible] visus [illegible] [illegible] sunt [illegible]
[illegible] auditu[?] doctrine [illegible]
[illegible] aristoteles [illegible] non [illegible] auditu[?]
[illegible] disciplinabilia ut [illegible] [illegible]
[illegible] erunt [illegible] [illegible] videtur ad [illegible]
[illegible] videtur [illegible] [illegible] a[liqu]a[?]
[illegible] [illegible] [illegible] [illegible]
auditus [illegible] [illegible] [illegible]
[illegible] [illegible] nomine[?] q[uod] [illegible] sensus
[illegible] interiores [illegible] sensus [illegible] fantasia
[illegible] cogitativa [illegible] appellantur [illegible]
[illegible] sunt sensus exteriores ut visus auditus
tactus [illegible] Primo nota[?] [illegible] [illegible]
exterior [illegible] interior [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] mente[?] [illegible] exterior [illegible] sensus
[illegible] [illegible] [illegible] sunt [illegible]
[illegible] mentibus [illegible] [illegible]
[illegible] sensus interior [illegible] [illegible]
[illegible] exterior Tertio e[st] notandum [illegible]
[illegible] [illegible] acquirit[ur] [illegible] [illegible]

Quod sensus interior et exterior sit [illegible]

[illegible] [illegible] abscisa[?] ut [illegible] sit [illegible]
[illegible] [illegible] saltem vel [illegible] [illegible]
[illegible] ab alio docente vel [illegible] Certo notandum
q[uod] licet visus [illegible] percipiat [illegible] contactus [illegible] tactus tamen
plures [illegible] percipit [illegible] visus plures [illegible] quam
tactus [illegible] quia [illegible] sensuum [illegible] sensus [illegible]
exteriores [illegible] percipit [illegible] ut [illegible] Visus autem
non solum percipit [illegible] sed etiam [illegible] ut sunt corpora
celestia [illegible] visus non solum percipit [illegible] [illegible]
seu lucidis [illegible] aristoteles in [illegible] libro [illegible]
q[uod] [illegible] corpora sunt colorata [illegible] colores large [illegible]
[illegible] [illegible] ad [illegible] Multo [illegible] q[uod] [illegible] sensus [illegible]
[illegible] confert [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] doctrina [illegible]
[illegible] percipiendo [illegible] [illegible] voluntate [illegible]
[illegible] [illegible] [illegible] ad placitum [illegible] instituta
[illegible] [illegible] libera [illegible] voluntate[?]
[illegible] auditus [illegible] [illegible] percipit [illegible]
[illegible] [illegible] voce [illegible] [illegible] sic [illegible] [illegible]
institutione voluntaria [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] auditus multum confert [illegible]
[illegible] [illegible] [illegible] sit [illegible]
[illegible] sensus exteriores multum confert ad [illegible] acquirendas
[illegible] nota [illegible] [illegible] [illegible] [illegible]
[illegible] parisien[sis] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] fantasia [illegible]
[illegible] aristoteles [illegible] [illegible]
[illegible] [illegible] aristoteles [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] sensus interiores plus confert
ad [illegible] [illegible] [illegible] [illegible]
[illegible] sensus exteriores [illegible] [illegible] [illegible]
[illegible] sensus [illegible] [illegible] interior [illegible]
[illegible] ad [illegible] acquirendas saltem nota
biliter

Tercia quod sensus visus plus confert ad speculationem ad
inveniendas quam sensus auditus patet quia visus magis de
se ministrat intellectui et etiam causis quia aliquid ad sensus
[illegible] quod vel quia et omnes patet quia visus papit ut dicit
diversas rerum materialium et immaterialium corruptibilium et in
corruptibilium Et quia causis ministrat intellectui quam
auditus et quia aliis corporis sensus patet quia ipse diversas
necessitate et claudit omnes indicat Unde ipse cognit
iudicia corporis sensuum et non est vera tactu indicat
rerum lapillum [illegible] et visus solum indicat [illegible]
Quarto quod auditus magis confert ad speculationem acquirendam
de [illegible] quia per institutionem doctoris ad placitas possumus
omnium rerum diversas [illegible] et [illegible] pro intellectu
indigamus et quod hoc sit perfecte [illegible] intellectu [illegible]
Et ita quod intendebat aristoteles Quinta quod est
sensus [illegible] est auditus plus confert ad speculationem
[illegible] quam visus vel [illegible] corporis sensus [illegible]
patet quod [illegible] quod et [illegible] animo
Quinta [illegible] in
quo [illegible] et [illegible]
[illegible] auditus sunt sapientiores [illegible]
[illegible] visu [illegible] et quod [illegible] quod in proposito intel
[illegible] quod [illegible] videre et [illegible] de
[illegible] intellectu Secundo [illegible] quod in proposito non intellectu [illegible]
vel [illegible] actuali [illegible] [illegible] sit [illegible]
sapientiores [illegible] intellectu [illegible] sit magis [illegible] et
[illegible] ad speculationem [illegible] quod [illegible]
visu Tercio [illegible] quod [illegible] sit [illegible] quod [illegible]
[illegible] plus visu [illegible] [illegible]
[illegible] quod est quod [illegible] sit [illegible] visu ut [illegible]
[illegible] et [illegible] [illegible] alius
[illegible] quod [illegible] acquirit [illegible] visu ut [illegible]
in [illegible] et [illegible] Quarto [illegible] quod [illegible]
[illegible] quod [illegible] [illegible] et [illegible]
[illegible] ad quod [illegible] [illegible]
[illegible] intellectu [illegible] [illegible] sapientiores [illegible]
[illegible] quod [illegible] Quinto [illegible] quod [illegible]
sunt [illegible] quod ad sui evidenciam indiget
sensu memoria et experiencia sic quod non [illegible]

sola intellectione [illegible] ut [illegible] ita [illegible]
[illegible] de [illegible] et [illegible] [illegible]
[illegible] quod ad sui evidenciam non indiget sensu et experientia
memoria et experiencia [illegible] sunt intellectu
[illegible] non [illegible] intellectus ut de toto et
magis [illegible] Secundo [illegible] quod [illegible]
intellectus [illegible] vel [illegible]
[illegible] et [illegible] intellectus [illegible]
[illegible] [illegible] [illegible] acquirit [illegible]
visu [illegible] sapientiores quia [illegible] au
ditu patet quod [illegible] sunt [illegible]
non sunt [illegible] auditu Secunda quod
[illegible] quod non [illegible] acquirit [illegible] auditu [illegible]
auditu sunt sapientiores quam [illegible] visu
[illegible] Tercia quod [illegible]
[illegible] visu [illegible] sapientiores et [illegible] quod ad
[illegible] quarum [illegible] et [illegible]
[illegible] et intellectu quod [illegible] auditu [illegible]
[illegible] plura sunt visibilia quam audibilia [illegible]
[illegible] visu sunt plura [illegible]
[illegible] ad acquirendam [illegible] Quarta
quod [illegible] auditu [illegible] prudenciores
quo ad [illegible] quod ad sui evidenciam non indiget sensu
memoria et experiencia [illegible] quod sunt non intellectu
intellectus corporis [illegible] quia [illegible] visu
[illegible] quia vel est [illegible] possumus ita [illegible]
indicare et ita [illegible] [illegible] sed [illegible]
[illegible] quod ipse est solum [illegible] Quinta quod
[illegible] sapientiores [illegible] ad [illegible]
[illegible] visu [illegible] quod sunt
[illegible] ad [illegible] [illegible] patet [illegible]
quod [illegible] sunt vel sunt [illegible] suas [illegible]
[illegible] visu solum sunt [illegible]
[illegible] et quod [illegible] et [illegible] quod dicitur ab
[illegible] quod [illegible] quod [illegible] ipsa sunt visu et allega
[illegible] et [illegible] boecius quod [illegible] sunt [illegible] quod
[illegible] ipso sit in veniendo Sexta quod [illegible]
[illegible] et [illegible] ad speculationem [illegible]

qua surdi a nativitate visu ... multa ... quod ... membra ...

Septimo ... et ultima ... loquendo ... a nativitate ...

... auditu ... sapientes et ... a nativitate visu ... sapientes et ...

... Quinto ... surdi a nativitate ...

S ... sunt muti ... loqui ... usitatum ...

[illegible]

S [illegible]

muti ... balbucientes loqui ... surdi a nativitate ...

[illegible]

Reumatici

quod de hoc multa ymaginatio sequitur non fit ut est sicut
cum radius est facta [illegible] ut patet et in fiat ad
ymaginationem ut ergo tangunt obediens accipiat [illegible]
[illegible] patet visio [illegible] quia multa animalia [illegible]
vel obiectorum visorum sunt multas fantasias per quas [illegible]
[illegible] vel [illegible] negativa ut [illegible] in suis
operationibus et de sensu auditus [illegible]
[illegible] sit adiunctum [illegible]
[illegible] mechanice [illegible]
[illegible] rationibus [illegible] sequitur quod arguitur de visu [illegible]
quod non plus probat quam quod visus [illegible] plus conferat ad [illegible]
acquirendas quam auditus [illegible] [illegible] [illegible]
[illegible] quod tactus sit [illegible] indiget [illegible]
[illegible] et adversus [illegible] quod hoc [illegible]
tactu [illegible] quod [illegible] non [illegible] ibi tactu [illegible]
[illegible] [illegible] tactu [illegible] adtacta
[illegible] aliud [illegible] quo aranea [illegible]
non tactu [illegible] quod non est [illegible] aranea fugit
[illegible] tangitur eius tela [illegible] motu tele quod ipsa
aranea [illegible] tela sua movet [illegible] fugit
[illegible] aranea [illegible] visu [illegible] quod [illegible]
[illegible] non arguit [illegible] ad sensus [illegible]
[illegible] plus confert [illegible]
[illegible] arguit [illegible] nec [illegible]
non possunt [illegible] ut adiscat [illegible]
[illegible] non [illegible] ponere [illegible] adiscere sine [illegible]
[illegible] quod est [illegible] quia non [illegible]
[illegible] adulterans [illegible] [illegible]
[illegible] quod [illegible] molles carnes [illegible] vel subtiles [illegible]
[illegible] organa [illegible] debilia et [illegible]
[illegible] operationes sibi [illegible] et quod [illegible]
[illegible] molles carnes sequitur [illegible] vel [illegible]
[illegible] subtiles et [illegible] mollitie carnis [illegible]
[illegible] [illegible] subtiles [illegible] possunt negare [illegible]
[illegible] quod [illegible] mollities carnis [illegible]
[illegible] aquatica [illegible] mulieribus et
[illegible] arguit [illegible] sine subtilitate [illegible]

molliciei [illegible] aerea et [illegible] arguit subtilitate
[illegible] sine [illegible] allegata [illegible]
[illegible] patet quod auditus
[illegible] plus confert ad sensus acquirendas quam visus [illegible]
[illegible]

[illegible] proposito [illegible]
mittendo vel intus
suscipiendo [illegible] quod stat [illegible] mittendo et non intus [illegible]
[illegible] sequitur quod oculos [illegible]
[illegible] dissolvit et disgregat [illegible]
[illegible] visus [illegible] abgregare
[illegible] vel [illegible] [illegible]
[illegible] quia si visio fiet intus suscipiendo [illegible]
[illegible] ingredi oculum diffusio [illegible] ab obiecto
[illegible] non stat [illegible] et eius disgregare
[illegible] egrediatur [illegible] corporalis [illegible]
[illegible] non posset esse [illegible] si visio fiet
[illegible] intus suscipiendo [illegible] quod [illegible] contraria [illegible]
[illegible] radicate [illegible]
contraria [illegible] quia [illegible] quod visus
[illegible] videat albedinem et nigredinem [illegible]
[illegible] albedinem [illegible] nigredinem ergo [illegible]
[illegible] contraria [illegible] albedo et nigredo
[illegible] contraria [illegible] basiliscus [illegible]
[illegible] non [illegible] posse salvari nisi [illegible]
[illegible] mittendo ergo [illegible] quia non [illegible]
[illegible] quod [illegible] patet quod non [illegible] quo [illegible]
[illegible] posset [illegible] solo visu non [illegible]
[illegible] basiliscus [illegible] visu
[illegible] mulier menstruosa inficit et maculat
speculum [illegible] visu [illegible] non videtur [illegible] visio fiat
[illegible] mittendo ergo [illegible] patet [illegible]
[illegible] maculam [illegible] mulier menstruosa
[illegible] speculum [illegible]
[illegible] sine [illegible] nota [illegible]
[illegible] [illegible] actiua [illegible] sua [illegible]

actu agit sed potentia visiva sentit visibilium et utrumque hoc potentia visiva in videndo sed in formando visibilium actu agit. Similiter actu agit producendo visionem ergo visio fit ex mittendo quia non est secundum hoc sed in ... ex mittendo non videtur quod actu agit vel quod agit. Quinto sed non catti et lupi et aliqua alia animalia quadrupedia vident de nocte. Sed hoc non potest salvari nisi visio fiat ex mittendo ... et quia notum est secundum hoc ... non videtur ... salvari nisi quibus fiat quod ab oculis eorum radialiter egrediantur radii lucidi illuminantes medium quo illuminato tamen visio obiectorum ... quod visio fit ex mittendo et non intus suscipiendo. Sexto arcus non volentes ... radiare ... oculum ut ... sagittarius ... non faciunt ut possit ... assignari ut ... nisi dicatur visionem fieri ex mittendo quia et a natura fit ... ut videntur oculi sic ... ad finem ut id quod egreditur ab oculo uniatur ... quicumque et melius ... multiplicatur et diffunditur ... et rectius visus ... substantia sive obiectum et melius ... iudicare. Confirmatur ... quod ab ... supremum ... sicut ... radii lucidi quod ... medium sufficit ad ... visionem fit ex mittendo. Septimo sed si visio fit intus suscipiendo sequitur quod duo actiua solum ... in eodem ... quibus ... et ... medium ... quia ... visus fit et ... videat duas albedines ... intensiores quam ... per ... fit intus suscipiendo in visu ... actu ... albedinem et ... abiciat ... recepta ... solum ... organo visus ... Octavo sed non si visio fit intus suscipiendo sequitur maior esset ... et ... quod ab obiecto visibili ... debilitaret ... visum. Sed hoc non potest dici ... visio non fit intus suscipiendo quia ... notum est ... vel ... in mente ... organum

visus ab obiecto visibili vel speciebus recipiuntur in medio et quod in organum visus. Sed ... potest dici ... ad ... sufficienti dispositione ... quod non potest dici quod ... in mente in organum ab obiecto ... visibile sed ... videt ... potentia visiva ... quod distat ... species ... super organum ... non fit ... separatum. Sed ergo visibile distat ... visiva sed quod species ... in medio ... organum visus ... non potest dici ... species ... medium et ... in organum ... sequi ... in ... visibile ... longe ... visibili ... ubi videmus quod visio fiat intus suscipiendo et non ex mittendo. Circa ista ... articulum ... dubitabatur ... opiniones ... [illegible] ... opiniones ... quod ... diverse ... movebantur ... videtur. Quinto ... ad ... Nona quod fuit opinio quorundam ... quod oculus fit ...

... quod oculus ... apparet in oculo ... non videtur ... non potest ... oculus ... et ... Secundo diverse quod ... in oculo ... organo visus ... pelliculas ... oculo ... organum visus ... quod ... videre ... species ... Tertio diverse ... in oculo et ... radii lucidi ... pelliculas et multiplicatur ... visiva ... visio ... opinionum fit ex mittendo et non intus suscipiendo. ... opinio ... fuit ... Empedoclis ... opinionem ... sicut ... non ... dicimus melius ... lucida puta candelam aliquam lucidam.

[illegible]

[illegible]

odo usq ad puncto tactus posset videre adiacentia distantia adq parum distantia tale punctum quasi continue imperceptibiliter quia certum est per probata quod tota distantia talis ergo per radiosam potest extendi in ultimum ab oculo usque ad celum [illegible] et tamen quod una non potest facere [illegible] ergo quod ergo per radiosam subito [illegible] usque ad [illegible] visio [illegible] per multiplicationem luminis sed subito [illegible] per successionem [illegible] de articulis primus [illegible] articulus [illegible] in quo [illegible] est adquisitio [illegible]

[illegible] salvum ut videtur predictis [illegible] sensus passiva [illegible] dicta quod sensus sit [illegible] passiva [illegible] intendit [illegible] quod sensus sit passive passivus [illegible] in actu per rationem sensus est [illegible] agentis vel [illegible] [illegible] sicut sensatio [illegible] sensus [illegible] [illegible] [illegible] et organo [illegible] qualificatio [illegible] ad sensum [illegible] [illegible] passiva quod est receptiva vitalis operationis [illegible] [illegible] sensatio [illegible] operatio vitalis [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] visio fiat [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] visio est [illegible] passiva [illegible] [illegible] [illegible] quod non [illegible] quod sensus sit [illegible] [illegible] [illegible] ab obiecto visibili [illegible] organum quo dato puta quod [illegible] visum ab obiecto visibili [illegible] quod visio [illegible] actu videndi sit [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

Secundo [illegible] quod [illegible] sensus visus [illegible] videndo [illegible] non [illegible] motu [illegible] [illegible] motu localis [illegible] [illegible] videndo [illegible] motu alterationis [illegible] videndo [illegible] [illegible] dispositione [illegible] [illegible] motu alterationis [illegible] [illegible] [illegible] recipiendo [illegible] obiecto visibili [illegible] [illegible] visio fiat [illegible]

Tercio [illegible] quod [illegible] producendo visionem

obiectum visibile [illegible] agit [illegible] non [illegible] passum [illegible] quod agat [illegible] [illegible] obiectum visibile [illegible] [illegible] passum sit sensus visus [illegible] [illegible] quod visio sit [illegible]

Secundo [illegible] [illegible] sensus visus alterari [illegible] videndo aut [illegible] sit videndo [illegible] addunt [illegible] quod [illegible] alteratio [illegible] alteratio [illegible] alterari [illegible] recipiendo [illegible] [illegible] est alteratio [illegible] [illegible] [illegible] visio [illegible] alteratio [illegible] [illegible] recipiendo vitalem operationem [illegible] sensationem [illegible] visio [illegible] [illegible] videndo [illegible] [illegible] [illegible] [illegible] sensus visus [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] visio [illegible] motu alterationis [illegible] [illegible] operatio [illegible] producendo visionem [illegible] actu videndi [illegible] alterari alterationes [illegible] [illegible] [illegible] [illegible] sensationem [illegible] visio [illegible] visionem [illegible] visionem non videndo [illegible]

[illegible] [illegible] quod visionem [illegible] actu videndi [illegible] [illegible] [illegible] visionem [illegible] actu videndi [illegible] [illegible] [illegible] [illegible] [illegible] visionem [illegible] [illegible] vitalis [illegible] obiectum [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] actu videndi [illegible] visionem [illegible] visionem non videndo [illegible] visionem [illegible] [illegible] [illegible] obiectum [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] visionem [illegible] [illegible] [illegible] visionem non videndo [illegible] [illegible] visionem [illegible] vitalem [illegible] obiectum [illegible] [illegible] [illegible] [illegible] [illegible]

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distincta decem pedes separare a visu et separatum quod
nec ergo cum decem vel septem pedes potest cernere tantum po-
tentia visiva a debilitate visus per actum videndi et suffi-
ciens suum obiectum quando exactum in mutandi virtualiter
potentiam visivam per quantum ad virtutem obiecti visibile
ipsi potentie visive quo dato secundum visorum [illegible] potentia
visiva et ipsam potentiam visivam vel videre [illegible]
de oculo 2o Quantum ad 2m articulum pro hoc [illegible]
libetur quare [illegible]
[illegible] visus [illegible]
obviat vel occidit cum dolore per iuncte [illegible] quod [illegible]
[illegible] non est quibus [illegible] per [illegible] Et ergo nos [illegible]
tibus eius cum dolore Sed cum [illegible] vacet et audi-
[illegible] fluctuatione [illegible] delectacio-
[illegible] ita visus [illegible] adelectata [illegible]
et [illegible] quod hoc sit [illegible] ad correspondentiam [illegible]
de pitagora quod ipse sedens de nocte in studio audivit
quendam iuvenem in instrumento musicali ludentem [illegible]
[illegible] ipse pitagoras adeo fuit attediatus et [illegible]
[illegible] voluit [illegible] musicis [illegible]
[illegible] musicis [illegible]
[illegible] delectatione [illegible] quod [illegible] placuit
pitagore [illegible] vel mitigat Et quod [illegible]
[illegible] correspondentia Et ergo potest gradi [illegible]
[illegible] proportionatur sit diversi Secundum
[illegible] libetur quare visus ab alba pendens [illegible]
[illegible] et [illegible] visus [illegible] ad herbas et viridia [illegible]
[illegible] quod albedo et nigredo sunt [illegible]
[illegible] ledunt [illegible]
[illegible] colores medii vel [illegible]
coloribus non sit [illegible] ita [illegible] Et ideo non
ledunt [illegible] videre [illegible]
medii [illegible] medium [illegible]
de corporibus laborantibus quod cum vehementer laborant
[illegible] et mediocriter et paulatim [illegible]
[illegible] libetur quare videns [illegible] sole luna vel [illegible]
[illegible] potentia [illegible] super [illegible] et vel digiti [illegible]
[illegible] Et quod hoc [illegible] correlarium et [illegible]

lumen radiorum quam correlarium [illegible] luminis [illegible]
[illegible] sit aspectus luminis correlarium vel digitum et vel
luna [illegible] Tertium correlarium quare videns [illegible] stellas
[illegible] vel sole et [illegible] ab illo
[illegible] videat [illegible] visibile iudicabit [illegible]
[illegible] iudicat [illegible] album [illegible]
[illegible] vel [illegible] Et [illegible] visibile [illegible]
visi [illegible] organo visus [illegible] inmutat
[illegible] potentiam visivam et [illegible] visibile
[illegible] ita fortes [illegible] visus ideo non inmutat
[illegible] potentiam visivam valde [illegible] Et [illegible]
[illegible] Et [illegible] nec [illegible]
[illegible] obiectum [illegible] visus iudicat [illegible]
[illegible] visus et [illegible] visibile [illegible]
non ita fortiter potentiam visivam inmutat et ideo non
iudicabit visus [illegible] visibile per obiectum [illegible]
[illegible] si sol [illegible] radiat super lapidem marmoreum
nigrum [illegible] iudicamus ipsum esse album [illegible]
et ideo [illegible] lapide [illegible]
[illegible] vehementius inmutat potentiam visivam [illegible]
[illegible] lapidis et ideo visus iudicat [illegible]
et non [illegible] nigredo [illegible] iudicare
[illegible] albi Quartum correlarium quare [illegible]
[illegible] putei [illegible] de die videt
stellas [illegible] quod non [illegible] sufficiat [illegible]
[illegible] lux solis non [illegible] valde
[illegible] Et ideo lux solis non [illegible] lux stellarum
[illegible] videre [illegible] insufficiat [illegible] lux solis
[illegible] vehementius inmutat organum
visus et [illegible] plurium stellarum non
[illegible] Secundo [illegible] quod [illegible]
[illegible] videri [illegible] illuminata non
[illegible] supponendo quod [illegible]
[illegible] ad videndum colorem [illegible]
colores et non [illegible] medium [illegible] quod color
[illegible] medium [illegible] quod lux [illegible]
super [illegible] colorem [illegible]
color [illegible] quod color [illegible]

Secundo probatur visio adeo completa [illegible] distantibus de loco remoto
[illegible] sicut [illegible] quod colorem sufficit [illegible] [illegible] re [illegible]
[illegible] lumen non videat [illegible] ipsum [illegible]
[illegible] illuminato Et [illegible] diafano [illegible] Tertio
[illegible] oppositum [illegible] adipiscendum [illegible] adproximum [illegible] oculus
videndo recipiat [illegible] aliqua re corporea [illegible] fiat re[illegible]
solutio vel disgregatio organi visus vel [illegible]
[illegible] quod recipit organum visus [illegible] rebus [illegible]
sicut quod ipsa non est [illegible] [illegible] [illegible]
visibilibus [illegible] [illegible] [illegible] simile [illegible]
simile [illegible] non [illegible] [illegible] [illegible] si [illegible]
[illegible] simile [illegible] Et [illegible] [illegible] simile [illegible]
[illegible] oculus [illegible] [illegible] ponere [illegible] [illegible]
[illegible] [illegible] adipiscendum [illegible] Et [illegible] [illegible]
nigri Secundo probatur quod [illegible] medium [illegible] albe [illegible]
[illegible] [illegible] sicut in [illegible] [illegible] [illegible]
[illegible] non [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] de basilisco quod [illegible] basilisci
[illegible] [illegible] simili venenosi [illegible] [illegible] basiliscus
[illegible] [illegible] [illegible] [illegible] de muliere
menstruosa [illegible] quod [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
mulieris menstruose [illegible] [illegible] [illegible] maculat [illegible]
[illegible] [illegible] [illegible] visus [illegible] actiua [illegible] operatur [illegible]
[illegible] Et [illegible] quod aliquid agat quia agit [illegible]
et in [illegible] in se recipit [illegible] [illegible] actum [illegible]
[illegible] [illegible] visiua [illegible] [illegible] principales [illegible]
[illegible] Et non [illegible] quod visio [illegible] fiat [illegible]
[illegible] [illegible] [illegible] [illegible] Et [illegible] [illegible] non [illegible]
[illegible] [illegible] oculi [illegible] sunt valde [illegible]
[illegible] [illegible] Et quia [illegible] lumen [illegible] [illegible]
[illegible] medio [illegible] ab oculis [illegible] [illegible] Et [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] illuminat medium
[illegible] [illegible] quod [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] lucem illuminantem medium [illegible]
[illegible] nos non videmus [illegible] [illegible] quod [illegible] non [illegible]
[illegible] emittendo [illegible] fiat visio [illegible] [illegible]
[illegible] est ideo [illegible] [illegible] [illegible] [illegible]

[illegible] organo visus [illegible] [illegible] [illegible]
[illegible] sit visio [illegible] [illegible] [illegible] [illegible]
apparet [illegible] quod [illegible] organum visus [illegible]
[illegible] possit nobis [illegible] [illegible] [illegible] indicans
de re [illegible] videmus [illegible] [illegible] [illegible] [illegible] possumus
[illegible] [illegible] [illegible] [illegible] rebus videre [illegible] angulo
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] videmus quod [illegible] de [illegible] [illegible] ponere [illegible]
[illegible] ad [illegible] remote [illegible] [illegible] [illegible]
organum visus [illegible] [illegible] [illegible] alie [illegible]
[illegible] angulo [illegible] indicat de re visa [illegible] visio
fit mediante piramide radiosa [illegible] [illegible] [illegible]
[illegible] visibilium [illegible] [illegible] in oculo [illegible] de re visa
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] oculi [illegible] [illegible] lumen [illegible]
Et ipsum [illegible] [illegible] apparet nobis [illegible] videmus
[illegible] [illegible] Et [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] quod ipse [illegible] [illegible] [illegible]
[illegible] non fiat [illegible] [illegible] caliditas [illegible]
[illegible] [illegible] [illegible] fiat una caliditas [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] oppositum [illegible] [illegible]

[illegible] [illegible] [illegible] fulgor
quo oculus apparet [illegible]
vel [illegible] fit [illegible] oculo vel [illegible] oculum Et [illegible] quod fit
in oculo [illegible] [illegible] fulgor apparet visui [illegible] in oculo Et
[illegible] [illegible] fulgore visus non [illegible] [illegible] [illegible]
organo [illegible] [illegible] [illegible] Et [illegible] [illegible] [illegible]
[illegible] saltem non [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] fulgor videtur vel saltem apparet
[illegible] [illegible] videt fulgorem [illegible] [illegible] quia si oculus clausus
[illegible] [illegible] fulgor apparet visui [illegible] [illegible] fit in oculo
[illegible] vel fit moto vel [illegible] oculum [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] si fit [illegible] oculum [illegible] distat ab oculo ut notum est
[illegible] non videtur quia palpebre [illegible] [illegible] ne oculus possit

vide(tur) a(liqu)a(n)do (con)visiva(m) sp(eci)e(m) ip(siu)s visibil(is) no(n) p(er)fe(cte) mult(iplica)ri
[illegible] ocul(us) [illegible] in me(di)o tene(bros)o
ip(s)e adh(u)c videb(itu)r q(u)ida(m) fulgor Et id fulgor no(n)
e(st) i(n) me(di)o ap(p)are(n)te ut videt(ur) (et) oculu(s) catti [illegible] ocul(us)
catti Et io [illegible] no(n) a(lite)r p(er) [illegible]
[illegible] fulgor e(ss)e(t) in me(di)o ut videt(ur) [illegible]
catti no(n) appare(re)t q(uo)d videt(ur) in me(di)o no(n) e(st) [illegible]
[illegible] ocul(us) [illegible] orga(nu)m vis(us) e(st) d(e) na(tur)a ig(n)is [illegible]
q(uia) ap(p)are(n)t ocul(us) scintillac(io)nes [illegible] ocul(us) [illegible]
[illegible]
[illegible] orga(nu)m vis(us) [illegible] ig(n)is [illegible]
Co(n)firma(tur) na(m) ocul(us) e(st) d(e) na(tur)a aq(u)e [illegible]
[illegible]
[illegible]

[illegible]

[illegible] ip(s)e [illegible]
[illegible] q(uo)d [illegible] fulg(or) [illegible]
nocte [illegible] luce
[illegible] suff(icit) [illegible]
[illegible] vis(us) [illegible] visio(n)e [illegible]
[illegible] die
[illegible] sol obfuscat [illegible]
[illegible] visu(m) [illegible]
[illegible] lig(nu)m putridu(m) (et) squame piscium
[illegible] corpa luce [illegible] nocte [illegible]
[illegible] videntur [illegible] die [illegible] me(di)o
illuminato luce aliena obfuscate [illegible] visibilia
videnture [illegible] colorata [illegible] radiis [illegible]
[illegible]

[illegible]

[illegible]

[illegible]

vi^a ipsius reflexionis. Vnum ymaginandum est quod cum oculus catti
est in loco tenebroso ipse continue [illegible] frigido [illegible]
spiritus multitudo vnde oculus catti [illegible] [illegible]
plena serena et polita Et propter ipse reflectat
[illegible] vnum oculum [illegible] oculos et [illegible] ipse [illegible]
[illegible] fortes et [illegible] adrepulatam oculo [illegible]
[illegible] [illegible] et aquo se diffusiue et multe [illegible]
reflexionis fuerit [illegible] debiles ad repulsationem lucis [illegible]
[illegible] corporibus lucidis oculus catti [illegible] [illegible]
[illegible] [illegible] Circa ad [illegible] [illegible] [illegible] videtur

est [illegible] appareat
oculo ipso Et [illegible]

[illegible] quod fulgor seu lux quo oculus [illegible] apparet
fulgere et scintillare non est in oculo tuo vere et realiter [illegible]
[illegible] [illegible] quod vera [illegible] sequitur quod talis fulgor deberet
[illegible] appareret oculo tuo non moto [illegible] non fracto [illegible] apparet
oculo tuo [illegible] moto vel fracto [illegible] et [illegible]
[illegible] quia [illegible] talis fulgor vel lux est vera in oculo
[illegible] plus apparet oculo fracto vel oculo non fracto [illegible]
[illegible] [illegible] [illegible] facit sensationem [illegible]
[illegible] [illegible] quia [illegible] et probata est [illegible]
[illegible] fulgor quo oculus alicuius apparet fulgere non est in oculo
[illegible] fulgor quo oculus [illegible] apparet fulgere non est in oculo
[illegible] quia [illegible] [illegible] in aere parvi [illegible]
[illegible] [illegible] est notandum quod lux [illegible] [illegible]
[illegible] non sufficit [illegible] et [illegible] visus ad perceptionem
[illegible] quod visus [illegible] talis [illegible] lux est
[illegible] [illegible] [illegible] reflexa [illegible] alicuius [illegible]
[illegible] [illegible] visus [illegible] [illegible] [illegible]
[illegible] [illegible] oculus violenter [illegible] [illegible]
lux sufficit [illegible] visus ad perceptionem sui [illegible] quod [illegible]
[illegible] lux [illegible] et fortificatur [illegible] est [illegible]
fulgor seu lux [illegible] oculo est in [illegible] [illegible]
[illegible] quod ipse lucidior [illegible] [illegible] potest
visus ad [illegible] oculum [illegible] ibi fuerit palpebre
[illegible] [illegible] impedientes [illegible] talis palpebre [illegible]
[illegible] [illegible] quare talis fulgor non apparet
[illegible] oculo [illegible] [illegible] apparet [illegible] [illegible]
[illegible] [illegible] quod palpebre oculorum non [illegible]

densitatem et opacitatem quod [illegible] [illegible] [illegible] impedire
[illegible] [illegible] [illegible] [illegible] [illegible] ut
[illegible] [illegible] non [illegible] [illegible] obscura [illegible]
oculo [illegible] [illegible] [illegible] [illegible] obscura
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] non [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] talis fulgor
non apparet [illegible] [illegible] [illegible] [illegible] [illegible]
visus [illegible] [illegible] [illegible] oculus quiescat non [illegible]
[illegible] [illegible] [illegible] oculus est [illegible] [illegible]
[illegible] aut [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] reflexione [illegible] [illegible] polito [illegible]
[illegible] [illegible] et [illegible] [illegible] [illegible] [illegible]
[illegible] visus [illegible] [illegible] fulgore [illegible] non [illegible]
[illegible] [illegible] oculo [illegible] ymaginandum est [illegible]
[illegible] [illegible] in speculo [illegible] [illegible] reflexione [illegible]
[illegible] [illegible] quod reflexione [illegible] [illegible] [illegible]
[illegible] [illegible] Circa [illegible] [illegible] [illegible]

[illegible] [illegible] est quod
oculo [illegible] [illegible] [illegible]

[illegible] quod [illegible] est quod oculus [illegible] [illegible] et [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] ut [illegible] [illegible] oculus
[illegible] ad [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] quod
vno solo oculo [illegible] videtur [illegible] duobus [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] oculo est [illegible] [illegible]
[illegible] [illegible] [illegible] simplicior est motus [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] quod [illegible] est [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] apparet [illegible] [illegible]
[illegible] [illegible] [illegible] est quod [illegible] duobus [illegible] [illegible]
videtur [illegible] [illegible] [illegible] [illegible] [illegible] videtur [illegible] solo
oculo [illegible] [illegible] [illegible] quod [illegible] est quod visus [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] oculus ad
[illegible] [illegible] [illegible] intendit et [illegible] sagittatores [illegible]
[illegible] [illegible] [illegible] [illegible] oculum [illegible] claudit et
[illegible] [illegible] ad [illegible] ut directius sagittam dirigat
[illegible] [illegible] [illegible] quod [illegible] oculum ad [illegible]

[illegible]

[illegible]

In ita c(om)plexione est vel alicui c(on)t(ra)rio pot(est) no(n) [illegible]
ro q(uo)d visus mo(v)ebit(ur) q(uo)libet [illegible] Aliud ad [illegible]
[illegible] e(st) primo no(n) q(uia) vi(r)tus pura ele(men)ta(ris) n(on) est calida
[illegible] q(ui)a calida [illegible] [illegible] Primas productas
ad te(m)peramentu(m) mediu(m) sic q(uod) no(n) [illegible] sibi aqua q(ui)a
p(ri)mar(um) (con)summo quar(um) no(n) e(st) [illegible] prop(ter) ele(m)e(n)to ra(tione)
q(uo)d [illegible] (con)ve(niens) na(tu)rali disp(ositi)o(n)e [illegible] p(er) una(m) q(ua)litate(m)
[illegible] (con)summo Secu(n)do notand(um) q(uod) [illegible] questio(n)es p(ri)ncipali(ter)
[illegible] p(ri)mos sic [illegible] organum visus sit [illegible]
aque ad dicta [illegible] organu(m) visus sit [illegible]
Secundo sit [illegible] q(uo)d ad q(ua)litates p(ri)mas [illegible] in aqua
ut sit aqua e(st) frigida (et) humida sic d(e) organo visus [illegible]
[illegible] [illegible] Tertio [illegible] q(ua)litates [illegible] d(e) organo
aque [illegible] ut sit aq(ua) e(st) [illegible] p(er)spicua et transparens
ita est organum visus Tercio notandum q(uod) duo e(st) [illegible]
[illegible] organum visus [illegible] [illegible] sit q(ue) e(st) [illegible]
fore [illegible] et [illegible] d(e) e(st) [illegible] [illegible] e(st) [illegible] organum
visus q(uo)d [illegible] organum [illegible] sufficit [illegible] ad [illegible]
q(uod) organum visus sit [illegible] visus [illegible] ad [illegible]
q(uod) [illegible] causa visio Quarto notandum q(uod)
ele(men)tu(m) [illegible] organo [illegible]
[illegible] Prima [illegible] q(uod) ita [illegible]
[illegible] sit [illegible] disposita [illegible] sit [illegible] sua [illegible]
[illegible] organum visus [illegible] e(st) [illegible]
[illegible] salte(m) [illegible] Secunda [illegible] no(n) e(st) [illegible]
[illegible] no(n) e(st) [illegible] visibilia [illegible]
[illegible] ad organum visus [illegible] disposito Tertia q(uod) [illegible]
e(st) [illegible] transparens et organum visus [illegible]
aqua [illegible] transparens [illegible] visus [illegible]
Quarto notandum q(uod) ignis [illegible] modica [illegible] e(st) magna
[illegible] activitatis [illegible] nullum organum [illegible]
ignis ad dico [illegible] sic [illegible] ignis [illegible]
[illegible] organo [illegible]
[illegible] et velocis activitatis [illegible] et [illegible]
ignis e(st) [illegible] organis [illegible] nullum organum [illegible]
e(st) [illegible] ignis ad dico [illegible] prima

Utru(m) ad organu(m)
[illegible] prima q(uo)d organum
visus q(uo)d e(st) [illegible] aque ad dico [illegible] elementa
[illegible] aqua primo ut sit e(st) [illegible] aliud elementa
[illegible] ante [illegible] Secunda q(uo)d organum visus [illegible]
[illegible] ignis ad dico [illegible] quia ad [illegible]
[illegible] d(e) igne [illegible] q(uo)d [illegible] ignis quia ad

Primas e(st) q(uod) ipse sit calidus (et) [illegible] q(uo)d n(on) e(st) [illegible]
organu(m) visus ad ipsu(m) sit [illegible] (et) [illegible] (et) vita [illegible]
d(e) calido (et) humido Tercia q(uo)d organum visus no(n) e(st) [illegible] terre
ut quia ad [illegible] ut q(uo)d ad [illegible] ita [illegible]
[illegible] terre [illegible] e(st) [illegible]
(et) [illegible] e(st) [illegible] no(n) q(uia) [illegible] e(st) organum
visus (et) [illegible] quitud ad
[illegible] terre quitud ad [illegible] e(st) [illegible]
[illegible] sit [illegible] ut [illegible] p(er)spicua et transparens et [illegible]
[illegible] visus [illegible] disposit(i)o(n)es [illegible] salte(m) si ipsum [illegible]
disposit(i)o [illegible] e(st) [illegible] p(er)spicua (et) transparens [illegible] terra no(n)
e(st) [illegible] (et) organum visus [illegible] salte(m)
aqua Quarta q(uo)d organum visus e(st) [illegible] ad dico
quitud ad [illegible] q(uo)d [illegible]
quitud ad [illegible] primas e(st) q(uod) ipse sit calidus (et) humidus [illegible]
organum visus e(st) [illegible] ipsum e(st) [illegible] (et) [illegible]
Quinto q(uo)d organum visus no(n) e(st) [illegible] ad dico quitud
ad [illegible] quitud [illegible] sufficit et [illegible]
q(uo)d organum visus sit debite [illegible] visibiliu(m) et
[illegible]
[illegible] quitud ad [illegible] e(st) q(uod) [illegible]
[illegible] no(n) e(st) [illegible] organo visus [illegible] si organum
visus [illegible] ad [illegible] no(n) debite [illegible]
visio q(uia) organum visus [illegible]
[illegible] sufficiente [illegible]
[illegible] Sexta q(uo)d organum visus e(st) [illegible]
ad dico quitud ad [illegible]
[illegible] et [illegible] ad [illegible] visio debite (et) suffi-
[illegible] visibilia ibi [illegible] Probatur q(ui)a [illegible] aque
quitud ad [illegible] e(st) [illegible] sit [illegible] p(er)spicua (et) transparens
[illegible] sic aer vel ignis [illegible]
[illegible] ad [illegible] q(uod) [illegible] visibiliu(m) [illegible] organum [illegible]
debite [illegible] visio Conse(quen)t(er) [illegible] organum visus [illegible]
no(n) e(st) [illegible] ele(men)ti ad dico quitud ad [illegible]
salte(m) [illegible] ele(men)ti q(uia) [illegible] quitud ad [illegible]
Septima [illegible] sit ita [illegible]
ad [illegible] q(uo)d organum visus no(n) e(st) [illegible] ad dico quitud
e(st) [illegible] aque quitud ad [illegible]
organo [illegible] sit frigida (et) humida [illegible] no(n) [illegible]
visus [illegible] sit [illegible] vel organum

visus est quedam virtus et actio [illegible] quo debita [illegible]
caliditas et humiditas [illegible] propter [illegible] [illegible]
cum organum visus est [illegible] aque [illegible]
visus [illegible] quia organum visus [illegible] [illegible]
[illegible] [illegible] [illegible] quando [illegible] aque [illegible]
[illegible] propter [illegible] [illegible]
[illegible] in isto libro [illegible] ubi [illegible]
[illegible] quod organum visus [illegible] aque
[illegible] signa [illegible]
[illegible] videt quando senex salte si [illegible] organum
sit [illegible] et [illegible] [illegible] dispositio [illegible]
[illegible] [illegible] subtile [illegible]
[illegible] subtili [illegible] est [illegible]
[illegible] [illegible] caloris [illegible]
[illegible] est quod videtur quod [illegible] organum visus naturaliter [illegible]
[illegible] quod posuit [illegible] albi
[illegible] ut defenda ne [illegible]
[illegible] [illegible] oculo mortuo [illegible]
vel alteri [illegible] Tercio signum quod si oculus [illegible]
[illegible] aque [illegible] et oculus [illegible] quod [illegible]
salvatur nisi propter organum visus [illegible] aque [illegible]
[illegible] quod organum visus [illegible]
[illegible] [illegible] [illegible]
[illegible] seu [illegible] [illegible] [illegible]
propter quod [illegible] aer et [illegible] salte si sit [illegible]
ita quod organum visus [illegible] quod [illegible] organum [illegible]
visus est [illegible] aque [illegible] propter [illegible]
[illegible]
sit [illegible]

[illegible] sit [illegible] in [illegible] lupi [illegible]
[illegible] quod [illegible] lupus [illegible]
[illegible] debile propter quod [illegible] virtus [illegible]
[illegible] seu [illegible] solo [illegible] lupus [illegible]
[illegible] carnibus [illegible] Secundo supponitur quod [illegible]
[illegible] [illegible] [illegible]
lupi qui [illegible] ipso [illegible]
[illegible] est [illegible] radius [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] Tercio supponitur quod [illegible] lupi [illegible]
[illegible] aer [illegible] et [illegible] infestat et

in dispositione supponitur ita [illegible] est [illegible] duabus suppositionibus
premissis Unde dicitur quod [illegible] omnibus lupi [illegible]
[illegible] raucus sit quia attrahit aerem infectum [illegible]
aer [illegible] guttur et vocem [illegible] ne possit [illegible]
[illegible] [illegible] [illegible] [illegible] eius Secundum
[illegible] quare est [illegible] [illegible] sit in loco tenebroso
[illegible] videat lucem vel lucidum [illegible] cadit in [illegible]
[illegible] ad [illegible] supponitur primo quod [illegible] incipit
[illegible] calores et spiritus vitales qui sunt [illegible]
corporis [illegible] [illegible] confortando ne deficiat quia in
[illegible] [illegible] organum [illegible] et ideo cor patitur [illegible]
[illegible] et ita est [illegible] quare [illegible]
[illegible] passiones Secundo supponitur [illegible] grandis [illegible]
[illegible] [illegible] [illegible] calores [illegible]
[illegible] et ita est [illegible] [illegible] nimium [illegible]
Tercio supponitur quod lux seu lucidum est [illegible] visus [illegible]
supponitur quod lux [illegible] lucidum [illegible] inducit [illegible]
[illegible] non est [illegible] nisi [illegible] lucidum [illegible]
[illegible] Ambabus [illegible] [illegible]
[illegible] sunt [illegible] [illegible] in loco tenebroso [illegible] calores
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] adhuc ut ad locum [illegible] [illegible]
[illegible] gaudium [illegible] [illegible] [illegible]
[illegible] [illegible] et ipsum cor [illegible]
[illegible] vel [illegible] et [illegible] [illegible] in [illegible]
[illegible] nimium [illegible] [illegible]
[illegible] cor deficit moveri [illegible] [illegible] deficit
moveri [illegible] salte sunt morte [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] Tercio [illegible] quare est [illegible]
[illegible] movet se [illegible] [illegible] [illegible] et ipso [illegible]
[illegible] [illegible] [illegible] visu [illegible] [illegible]
[illegible] [illegible] admotum capitis et oculis [illegible]
[illegible] [illegible] [illegible] oculis [illegible]
[illegible] [illegible] quiescat [illegible] movet [illegible]
[illegible] visus [illegible] [illegible] et [illegible]
[illegible] [illegible] movet et [illegible] aliter et aliter
situat [illegible] motus [illegible] visus indicat [illegible]
[illegible] [illegible] aliter et aliter situat
visus [illegible] locum [illegible] et [illegible] organo
[illegible] quare [illegible] [illegible] mota
[illegible] [illegible] indicat arbores moveri [illegible]

[illegible] cessat et tunc secundum [illegible] de radiis [illegible]
non indicat moveri primo indicat quiescere [illegible]
causa est quia hoc continue non admoto navis [illegible]
arbor in littore visa quiescat tunc [illegible] ab arbore
visa usque ad organum continue [illegible] motu organo [illegible]
[illegible] organum [illegible] motu suo [illegible] continue [illegible]
[illegible] eius arboris et ideo indicat esse arborem moveri
organum visus quod continue locatur [illegible] non est tunc dispositio
[illegible] quia species tunc indicat de obiecto [illegible]
[illegible] sit quiescens [illegible] non obstante motu
organo visus [illegible] visio sit indicare de obiecto visus
de quibus ipsum est album nigrum aut alio colore coloratum
[illegible] quaelibet quae ebriis apparent omnia moveri
[illegible]

Et ideo [illegible] de arbore [illegible]
[illegible] qui [illegible] carbonis nigri [illegible]
visus non indicat distincte de [illegible]
distincte ut sic [illegible] indicat [illegible] colore [illegible]
[illegible] rubeus [illegible] quae visus indicat
[illegible] colore [illegible] medius color [illegible]
[illegible] albedinis [illegible] nigredinis [illegible]
[illegible] albedinis non [illegible] distincte [illegible] albedinis
[illegible] nigredinis [illegible] distincte [illegible]
[illegible] coloratum [illegible] colore [illegible] coloratum [illegible]
[illegible] distincte [illegible]
[illegible]

Sequitur ad ... visionis ... quod ipsa
ostendit ... organum visus est virtus activa ...
... educatur ... ad
... organica ... confirmacionis ... conceptibilitatis
... virtus ... ita ... quia
... organum ...
... alterata per ...
... Nunc consequenter ... organum auditus ... virtus
activa ...

Primo quod non ... organum visus non est virtus activa adaequata ...
... organum auditus ... aeris ...
medium ... ita ...
[illegible]

actis adaequata ... organum non est ... duorum
elementorum ... organum auditus ... virtus illius
elementi ...
multiplicatio ...
... sonus ... multiplicatio ...
organum auditus ...
multiplicatur ...
... applicatur ...
... fiat sonus ...
... sonus ... ad magnam distantiam ...
... applicatur ...
[illegible]

eductio Et 2a no [illegible] organica sed requisita ad
hoc inmecte quod in ipso organo formetur sensatio actual[is]
Tercio notandum quod organum auditus est quoddam membrum spirale
spiritus animalis in quo recipiuntur species membris quibus fit actualis
sensatio Et id membrum seu organum est situatum in aure sed non
[illegible] ut aer purus de aure inclusus sed est quoddam [illegible] de
[illegible] volutio [illegible] pellicula subtile Et [illegible]
pellicula [illegible] quod id [illegible] aereum [illegible]
[illegible] organum auditus
[illegible]
adcapud et [illegible] auris [illegible] organum
auditus [illegible] sonus [illegible]
[illegible]

[illegible]

excellentes impetuose procedentes et multitudine adorigantur au-
ditum ipsum ledent et que armoniam per disposicionem eius corrumpe-
rent et dissolverent eo quod organum auditus est debile [illegible]
[illegible] et acris [illegible] sensibile et nimis [illegible]
[illegible] Veterum [illegible] Quinto [illegible]
[illegible] quolibet queritur [illegible]

[illegible] audit [illegible] sonos [illegible] auditum [illegible] organum auditus [illegible]
[illegible] ad actum audiendi [illegible]

[illegible]

ledit potencia. Sextum [illegible] assignata dicit quod ipsos soni
ita uniti et uniformiter reflectuntur a superficie aque et [illegible]
[illegible] ad organum auditus et causat actum audiendi dele-
ctabiliorem. Sed hic apparet quod [illegible] sufficit [illegible]
[illegible] adorigantur auditum [illegible] et
uniformiter [illegible] auditum [illegible]
[illegible] delectacio [illegible] soni delectant auditum.
Quinto quolibet queritur quare ad [illegible] distancia audiuntur soni
super terram quam super aquam. Dicendum quod causa est [illegible]
[illegible] reflectit ipsos sonos. Et ideo sonus [illegible] distan-
cia audiuntur [illegible]
[illegible]
auditus [illegible] Sed non est [illegible]
[illegible] Sexto quolibet
[illegible] dormientes [illegible]

[illegible]

tonitruum tamen prius videtur et cetera quoniam visus [illegible]
ad sonum eius adequale distantiam per auditum [illegible]
quia coruscatio fit velocius et venit visui [illegible]
[illegible] saltus [illegible] et frangunt [illegible] coruscatio
[illegible] nubes violenter fit ad [illegible]
et quia rumpit nubes [illegible] rupturam cum sonus et vocatur
tonitruum [illegible] saltus [illegible] fit rumpendo
nubes [illegible] fulmine fit coruscatio [illegible]
[illegible] coruscationes fulmine [illegible] tonitruum audiatur
et [illegible] visus [illegible] et [illegible]
visus [illegible] ceteros [illegible]

[illegible]

[illegible]

aere et [illegible] pellis [illegible] ut [illegible]
videbitur. [illegible] adde [illegible] quod aer est satis [illegible]
sonum [illegible] ad organum
auditus [illegible] organum auditus [illegible] est aer [illegible]
organum auditus est aer [illegible] et [illegible]
[illegible] organum auditus est aer [illegible]
[illegible] pellicula [illegible]
[illegible] adde [illegible] quod [illegible] sonum [illegible]
[illegible]
[illegible] ligni [illegible]
[illegible] ligno
[illegible] ligni [illegible]
[illegible] ligni [illegible]
[illegible] fructus [illegible]

[illegible]

disposicio in frigido et in calido puta sicut tales in calido et
calido contra et non in calido propter aliquod simile redditur ea que
sonum remissius auditur remote tuba vel per canale
… sonum non ita dispergitur in canali vel in tuba sicut
ac non incluso tube vel canali. Nota … et ultra …
quia aer … quod non … cuius nature …
… aqua … contingit audire … aqua vel sonus
… auris … potest assignari … aqua …
… organum auditus quod debet esse calidum et siccum …
… aqua sonativus … vel forte
… pelliculam … cum organum auditus est …
… allegata … est …
… 2i arti(culi)

Sextus organum olfactus est dominatum ignis

… 3o … quod … sequitur quod …
… non posset … quia …
a longe … non … in …
… in … quia si organum olfactus esset
dominatum ignis ipsum non posset … in …
… aqua dominatum ignis … ambabus …
sic sequeretur quod organum olfactus non posset percipere calidum
et siccum … quod percipit odorem calidum et siccum …
… est impeditum ad quandam incapacitatem … et Aristoteles in
… quia … sensus olfactus non potest percipere …
… sui organi. Nam … Aristoteles 2o de anima …
… semper non sentitur … et Aristoteles in com(mento) quod …
… non percipimus … similiter calidum
… frigidum … Quinto sic medium …
odor sentitur non est dominatum ignis … organum olfactus …
quod medium et organum … similem …
… membris quibus sensatio actualis
causatur … quod odor non potest percipi nisi …
vel … Et si odor percipi …
… corporis … inclusi
… aeri vel aque … odoris
Sexto sic si organum olfactus esset dominatum ignis …
… quod esset male situatum circa cerebrum quod …
… non … non videtur … et ut …
… duodecimo …
… ordinate cognoscat … agit …

… naturali … ignis quia … cerebrum est frigidum et humidum
Si ergo organum olfactus esset dominatum ignis … ipsum cerebrum
contrarie … ambabus qualitatibus … non esset …
conveniens situatum. Quarto sic organum olfactus non debet esse
dominatum illius elementi quod est contrarium et corruptivum odoris
… quia … nocte …
… propter … magni odores et fetores
corrumpuntur … et ideo tempore pestilenciali val(et)
… ignis odores … purgat et …
pestilenciam. Quinto sic organum olfactus est dominatum
aque … non dominatum ignis quia …
… elementum … et radices …
… organum olfactus debet esse in potentia tale quale est obiectum
olfactus in actu … Sed obiectum olfactus
est … calidum et siccum … odor …
… et … frigidum et humidum in actu debet esse organum
… non esset calidum et siccum … Septima ratio
… Aristoteles 2o de anima … dicentis quod ignis
… non omnibus … quibus …
… organum visus et auditus
… ignis … sensus … ignis
… organum olfactus non est dominatum ignis …
Confirmatur … Aristoteles 2o de anima … quod organum
olfactus sit dominatum … Octava ratio sic
… organum olfactus non esset … quod …
… est dominatum elementi ignis …
… vincens et … sit dominatum calidi et sicci …
… vita …
… Aristoteles … libro
… Contra … tres articuli …
… conclusio …
… nota quod organum olfactus potest esse …
… membris … actualis sensatio et est situatum
… cerebrum et …
… in superiori parte nasi et cartilagine est
… ut … et … naso duo
… appellantur … odoris
… ad organum olfactus. Secunda nota quod organum
… dominatum ignis …

[illegible]

[illegible]

modo dicto compressio inducitur vel in modo auget
Octavo dicitur ad dictum sit quod de animalibus odorantibus pauci organi
olfactus sit vna actio quia vna est dicta vt organum auditus et
organum olfactus. Secundo patet dicto quod vna est actio mota
sequitur quod organum auditus sit vna actio auditio. Si liber vtrumque
istorum organorum sit vna actio odoratio tunc est maius
et minus sicut in aliis et aliis contrariis actionibus. Vnde primo est
vna actio et vna spiritus contrarie actio et alia in aliis ex
dicitur quare natura ordinavit in animalibus odorantibus pauci
organum olfactus circa cerebrum. Dicendum quod vna causa est quia illud
quod ipsum cerebrum est frigidum et humidum, odor est calidus et siccus
seu fumus odorabilis est calidus et siccus. Ideo ad illud sunt ut
frigiditas cerebri adequatur temperetur per caliditatem et siccitatem odoris
vel odorabilis natura sagaciter ordinavit organum olfactus iuxta
cerebrum. Secunda causa est quia odores aptitudinem sunt refectionis quia bonum
odores et conuenientes conferunt ad sanitatem quia si cerebrum sit in
lapsum ad frigiditatem et humiditatem reformatur propter odores si non sit
nimis excellentes. Vnde odor multum excellens causat
et reumatizat quia nimis calefacit cerebrum quod calefactum attrahit
humores quos non sufficit bene digerere et generat aquam
ventosam etc. Unde Aristoteles 2o de anima   Tertio dubitatur cum sit
primo quolibet cuiuslibet [illegible] inter ce-
tera animalia homo sit
sensu debiliori. Sed quod pecora et bestiae percipiunt odores melius
quam multa animalia. Dicendum quod homo est magnum cerebrum quia in
quantum corporis sui est secundum hoc habet magnum cerebrum et quia sicut
prius expositum est cerebrum de complexione est multum
est frigidum et humidum et odor est calidus et siccus vel saltem odorabile
est calidum et siccum, ideo cum cerebrum est repletum odoribus et non percipit
nisi ab organo olfactus. Sed de signo illius dicit quod [illegible]
contraria debilius percipiunt odores. Primo autem vero est valde
excellenter et maxime est quia non [illegible] fructus [illegible]
est vel vbi frigiditatis. Quarto quolibet cuiuslibet est quod
temporali patet magna siccitate et caliditate et dictum est sunt
tenuibus et subtilibus melius et intensius percipiunt sensu odores
cerebrum quod viget magna caliditate et siccitate. Deinde
quod causa est quia medium tempore caliditatis et siccitatis est
subtile sed quod sic odores nimium dispergentur et non sic in medio tempore
asperitatis et corruptibilis sunt quia causa quia vnde medium sunt
mediocre. Dicendum est ista non vera sufficienter ad quodlibet
non vera quod quanto aer fuerit subtilior tanto melius sed dispergitur

prolixior sensus odoris etc. Ideo redit ad causam ad quodlibet etc.
quod dicit in estate magna siccitas floris et herbe aut de
siccitate et quia multiplicatio odoris satis realis sit propria
in fumale euaporatio. Ideo patet quod corpora odorifera non est
de se sed fortem et intensam reperiunt aliquam humiditatem cuius causa
est signum videmus quod post ordinem fuerit multum pluuiale
reddunt odores fortes et intensos etc. Secundo respondetur quod
conueniens plurima pluuia magna siccitas humiditas floris
et herbe etc. quod fuit fuerit de se inde fumales euaporationes
fortes. Quinto quolibet quare odores frigidi sunt mali
odores vnde autem anhelitum abstrahentes se quicumque sunt
frigidi ad operatione. Dicendum quod causa est quia frigus organum olfactus
ipsum debilitat. Alius organo de subtiliora est tamen quedam
pellicula ordinata quam oportet aperire si debet species odoris
inferri vsque ad organum olfactus. Que pellicula non aperitur
nisi dum inspiratur aer. Sexto quolibet quare est quod tempore
hyemali non ita bene percipiuntur odores sicut in estate. Dicendum
quod causa est quia in hyeme surgit nimia frigiditas que
impedit multiplicationem odoris. Secundo quod odor est calidus
et siccus ad multiplicationem debet reperiri. Tempore hyemali surgit
nimia frigiditas corpora odorifera constringunt et poros
claudunt. Sic quod non possunt ita perfecte euaporare sicut
in estate. Dicendum secundo quod odorabilia sunt apta etc. in signum
illius percipimus melius odores pomorum vel aliorum fructuum
in estate quam in hyeme quia in hyeme pori constringuntur. Etc.
Ideo fumales euaporationes in quibus est odor realiter in hyeme
impediuntur. Quinto ita apti sunt naturaliter sicut in estate
Septimo quolibet quare sumentes et comedentes fumum
rerum odorantium aut alia corpora comedunt naturaliter aliqua
Dicendum quod causa est facile quia fumus organum olfactus
depressius et meatus multum obstruuntur odoris valde
fetidi. Et ideo non possunt sic odoris ita perfecte in eius
peruenire ad organum olfactus sicut de aliis
organum olfactus non est ita depressum ut tunc multum
odoris sunt ita sicut etc. et in signum huius videmus ut
pluribus quod sumentes multum anhelitum quod superfluitates
cerebri per spiritudine meatuum non [illegible]
bonum [illegible] putrefacti acidum ad stomachum et ibi
[illegible] et ideo putrefacti reddunt anhelitum
quolibet quare est [illegible] comedere allium
[illegible] non percipitur odores allei [illegible]

Dici^r q^d ca^a e q^r calleo ate comestio d'nmi^s organi
audi^s sic q^d real odor d'organo tui id e olefat^s et q^r
s^ens n^o indicat nisi de correlle^cs s^esibus vnde [illegible]
recipiunt p^rtractio p^er calid^s p^er frigid^s na^m mix^s [illegible]
p^rbi^s continent id odor real gene^s organo tui olef^s
impedit p^rceptio odoris s^ecu^n na^ta q^ntd adte [illegible]
vidicat redd^r ca^a quare intrantes balneum indicant aq^
balnei fore valde calida n^isi^o si p^ez q^d p^rp^ri^s fuit
d'balneo h^i indicant aquam ee ita calida sicut fuit
n^o obstante q^d fuit eq^ue vl magis calida sicut an
prior na^ organ^um tactus intrant^s balneu^m e calid^s [illegible]
lib^s quam aqua balnei e calida et id indicant [illegible]
excellen^a caliditatis s^o calidi. Ex ea p^rp^rs fuit d'balneo
organum tactus e ia^m n^o intratio s^i magis calefactu^m
magis calid^s q^d d'p^rmo etc n^o e tantum excessus calid^s
aque balnei p^ra^e calid^s organu^m tactus i p^rimo n^o
indicat s^ensus stanto excessu Et aliter indicant q^d p^rius
etc e [illegible] acq^ totu^m s^ensus disp^o^n Septimi^m [illegible]
quare aliq^ua bruta n^o delecta^r odoribus florum et
herbarum sicut homines Dici^r q^d ca^a e r^oe diuersitatis q^
homi^m et aialiu^m brutoru^m etc q^r e q^ntu^m ad organu^m
aliquorum sensuu^m ac^t^s. Et ob ea^m corp^s ra^a aliq^ui [illegible]
ex cardonib^s dulcibus et guauentur odorib^s et saporibus
quantu^m ad q^uo^d sua co^o oue^m indicant cardones sic
vero [illegible] dulcis hitt^s vt^z Cu^m vlm^s b^z indicant bo^num
b^z q^d aq^ui odores [illegible] admittunt adq^ui n^o [illegible]
q^d bruta p^rscant^r odores ascensos admittant [illegible]
in nutricio et d'eis delecta^r s^i alijs odoribus in [illegible]
dil^ignites Et c^anis valde delecta^r d'aquibus [illegible]
odoribus et indicat ob ea dulces s^ancus [illegible]
cuttis quos tu^m c^o indicat s^i ea valde d^is[illegible]
e nociuos Et q^o p^z diuersitas q^rio^m organorum
olefactiuo^rum d'homib^s et d'brutis Quarto soli [illegible]
quare canes qu^i n^o m^ugis odorant ad p^ostica [illegible]
sz v^g adpostica aliq^ui q^r valde delecta^r [illegible]
adeo q^r e in odore quare n^os indicat ee valde
nociuu^m Et h^i d' 30 arlo [illegible]
q^r fuit p^rdictu^m [illegible]
[illegible] p^z [illegible]
grata d'i^n q^a p^ra n^o e infusa t^ra^ce et s^i [illegible]
p^rportee etq^ua[illegible] Vtrum organ^um gustus et tactus
sint d'nata t^re ad [illegible] Et ar^r q^d n^o q^r elem[entum]

t^re e in corpe adsenach go nullo organu^m s^ensus
d'na t^re quia t^z q^r adsensu^m spectat sentire na^ t^ra
e nisi d' cepta adsenach q^r nimia eius [illegible]
duriae Et h^i e ca^a quare ossa d'aialibus dur^r n^o sentiu^r
Secundo si sic sequi^r q^d organu^m gustus et tactus n^o sunt
t^ra nec [illegible] vita quibus s^em^z q^r qua q^r q^rio
t^re [illegible] d'frigiditate et siccitate [illegible] q^rio e omnio q^ra
vite seu vncti ad vita^m [illegible] d'calido et humido
Tertio sic t^ra e elementu^m vilissimu^m go q^o sola qua
t^z q^r tactus et gustus et sensus nobiliores [illegible]
quo sunt magis vtr^o aialli et p^rque d'z ee d'na
nobiliorum elementorum [illegible] p^z q^r elementum t^re [illegible]
om^um aliorum elementorum Et h^i elementum t^re magis [illegible]
elementa magis distat a celo go apparet s^i [illegible]
mi^s perfecta et min^s nobiles et p^rque e elementum vilis
sim^m [illegible] qua n^o e q^ra p^rima q^r q^r elementu^m
[illegible] a celo p^ri^s distans a celo et d'supos ele
[illegible] n^o vnumq^dq^z cuius valde melius p^rficeq^z et
quietaq^z magis agit et q^siua^r [illegible] s^ic q^d distat a sp^rco
Et h^i [illegible] sic h^i [illegible] [illegible] Quinto
organu^m gustus et tactus d'nt q^siste d'quada [illegible]
[illegible] q^r p^rmarum go q^sitio sola qua t^z
q^r disposo qualificata t^re n^o q^sistit d'q^rde
[illegible] p^rimarum vt^z na t^ra vndique [illegible]
[illegible] sibi vna q^rtio [illegible] d'summo vel organa
gustus et tactus sunt [illegible] n^o vita q^sistat d
[illegible] [illegible] p^rmarum Sexto sic organ^a tactus
frigid^s et [illegible] go n^o e d'na t^re adonco qua t^z
q^r q^rio t^re q^sistit d'frigiditate et siccitate [illegible] p^z q^r
organum tactus e [illegible] q^d e nat^e frigide et sicce vt^z
p^rmedicu^m Septo sic si sic sequi^r q^d [illegible] d'na
t^re [illegible] vnius elementi q^d t^z n^o sunt q^r d'z ee d'na
[illegible] elementorum [illegible] sunt [illegible] qua vi ee n^o
Septimo sic si sic sequi^r q^d organa gustus et tactus
[illegible] situate p^rope d' corde quibus s^em^z q^r na
d' talibus n^o [illegible] [illegible] d'igit ab agente [illegible]
[illegible] [illegible] duodecimo [illegible] qua [illegible]
organa et maxime organu^m tactus [illegible]
[illegible] e [illegible] calid^s etc [illegible] n^o [illegible]
[illegible] situa^r vt si d'et vi^r Octauo [illegible]
q^d q^nto p^rs [illegible] ee magis recepti[uu^m]

tanto magis sentiret quanto plus esset ut sic ingrossi-
ossa non sentiunt propter hoc quod organum tactus
non est ex eis et organum gustus est ergo ad quintum pro-
pter terram appetat de natura sua plus secundum sentire pro-
no sic sic sequitur quod ubicumque est tactus ibi
est et gustus quanto plus est non gustatur ad pedes sed
in sola lingua et in animalia ad quibus tactus
inest propter quod paradisaliud fuit cuius corpus non est ergo
in quantum non dicit tactus et non gustus
sic organum tactus est compensatio (?) partium ad invicem
ergo non est de natura terre quia tunc conveniret sibi esse aliquod
non est ad animalia quod est calidum et humidum et ex quibus non est
de natura terre que est frigida et sicca cum et contrarie
ideo sibi non est nullo eum sicut ista conclusio et est contra
quem inpossibilis ponatur nobis in secundo de anima in tertio convenit
qualibet. Conclusio adarlud (?) prima est prima notandum quod tactus
sic capitur et potest sufficit ad proposito Secundo est quod
dissuadet tactus est ... sicut sic usita situa ... quo
in quantum nichil fuit similitudo ... posse
animalis ... cum propter vitalis procedit ab anima
ut ipsa ... tactus ... cum ... aliud tactus
est cum ... Tertio quod organum tactus ... quod ...
compansio partium ... medium ... Si organum
non gustus ... neque compansio partium
in anima medium ... declaratione notandum
quod organum tactus sit compansio partium corporis
in ... radicatur ... quod ... persuadetur non
tactus est animalis ... medium ... ergo
est quod ... membra eius ... animal
et ibi radicatur Secundo persuadetur ... pte ...
sit lesio ... corpus patitur ergo ... quia non ... sed ...
... Tertio ... quod ... nervus ... organum
gustus et tactus prima est ... sicut organum tactus
compansio partium corporis ... sic organum gustus
compansio partium lingue Quarta ... quod non ...
... sentit ... intrancie (?) Et ... est ...
... lingua ... organum tactus et gustus ...
sit ... diversas ... seu dispositiones ... qualitatibus
tangibilis ... ad ... organum respondet ... attangi ...

et ad ad gustandum Conclusio notandum quod ad quedam scilicet
organum gustus et tactus ... singulis ... nisi
sic terre ... sic ... tamen ...
... complexionem corporis plus ... de terra quod de aliis ad ...
elementorum Secundo sic ... ad ... dicitur ...
... conveniente Si ... esset ... dicitur
... quantum adequatas partes ... intra ... quod
ita organa ... est frigida et sicca qualis est terra
Secundo non sic ... quantum adequates et ... motibus
... sunt quantitas levitas ... Si ... medium
... quod sunt de natura terre ... conveniente ... medium
... sic de natura terre ... quod in complexione corporis organorum
... de elemento terre quam de aquo ... elementorum
... sic quod complexione corporis organorum plus ... de elemento
... plus ... de ... causa de natura ... terre quod de natura
... alicuius elementi Solutio notandum quod organa gustus et
tactus ... de natura terre ... sic ... diversa ... et
sic quod plus ... de natura terre quod de natura alicuius alterius elementi ... ergo
... sed ... organa tactus et gustus
ad organa ... sicut ... sed quod ipsa plus ...
de natura terre quod organa ... sensuum ... animalis ... dicitur ...

Conclusio adarlud ... sic
... quod organa
gustus et tactus non sunt de natura terre ... sed quod sunt
realiter ... sic ... sequitur quod non ...
... plus est sic ... integrales animalium ... quia est
... elementis ... seu ... organa
... gustus et tactus non sunt de natura terre ... sed
... complexione organorum ... plus ... de elemento
terre ... sic sequitur quod organum tactus et gustus non
... ne ... quanto plus ... quia est
... quanto ... magis ... representet ...
... organorum plus ... de elemento
... videtur quod ... elementa posse obtinere super terram
... possent generari
organa gustus et tactus ... ad ...
... elementa ...
... convenientia ... sicut ... videri ...
... degeneratione Tertia conclusio organa
gustus et tactus sunt de natura terre quantitatis
... Secundo ... patet conclusio ...

Eadem n(atu)ra istorum organorum ne(r)uus principat(ur) [illegible]
2 na(tur)a t(er)re ut(rum)q(ue) ... organa [illegible] (com)pressa dura 2 firma [illegible]
pacta 2 ualde [illegible] [illegible] n(on) e(st) dura [illegible]
[illegible] uisus auditus [illegible] multo [illegible] [illegible]
2 [illegible] [illegible] multo tangibilia 2 gustabilia [illegible]
uisus 2 auditus n(on) req(ui)rit organa [illegible]
[illegible] sicut req(ui)rit [illegible] gustus 2 tactus [illegible]
[illegible] na(tu)ra ita ordinat organa [illegible]
ita [illegible] 2 (com)pacta e(st) ista eadem tangibilia 2 [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
sup(er) organa corp(or)is [illegible] [illegible] forma et
magne ne [illegible] [illegible]
[illegible] [illegible] organa gustus 2 tactus [illegible]
dura t(er)re [illegible] n(on) [illegible] adq(ui)tes [illegible]
t(er)re na(tu)r(e) [illegible] [illegible] sequit(ur) q(uod) organa
[illegible] [illegible] [illegible]
[illegible] organa gustus 2 tactus [illegible] dura [illegible]
[illegible] [illegible] [illegible]
[illegible] motiuis [illegible] [illegible] motiuis [illegible]
[illegible] [illegible] [illegible] motiuis [illegible]
[illegible] [illegible] tangibilia [illegible]
[illegible] organa gustus 2 tactus [illegible]
[illegible] [illegible] [illegible]
densitate [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] organa
[illegible] t(er)re motiuis [illegible] organa
[illegible] [illegible] maior [illegible] t(er)re et [illegible]
[illegible] [illegible] [illegible]
[illegible] organa gustus 2 tactus sunt dura t(er)re [illegible]
[illegible] [illegible] [illegible] organa [illegible]
[illegible] [illegible] organa gustus [illegible]
tactus [illegible] [illegible] 2 na(tu)ra t(er)re [illegible]
[illegible] [illegible] [illegible]
2 gustabilia [illegible] [illegible] [illegible]
n(on) [illegible] dura t(er)re [illegible] organa [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] q(uod) organa gustus 2 tactus [illegible]
sunt dura t(er)re [illegible] n(on) [illegible] organa [illegible]

[illegible] q(uo)d sunt dura t(er)re qualificatiue [illegible] adq(ui)tes
[illegible] n(on) [illegible] sicut [illegible] e(st) ita organa gustus et
tactus sunt ualde densa 2 opaca [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] grossa 2 densa sunt calida [illegible] ita organa
n(on) sunt [illegible] [illegible] [illegible] [illegible] ad
organa aliorum [illegible] [illegible] [illegible]
[illegible] [illegible] organa n(on) [illegible] [illegible] 2 densa
[illegible] [illegible] sequit(ur) [illegible]
[illegible] organorum [illegible] n(on) posset [illegible] ad organum
[illegible] [illegible] [illegible] n(on) [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] uisibilium et
[illegible] [illegible] [illegible]
[illegible] [illegible] tangibilium [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] n(on) gustat [illegible] organa
[illegible] [illegible] [illegible] organa
[illegible] [illegible] uisibilium 2 audibilium
[illegible] n(on) [illegible] [illegible] articulo

Circa [illegible] articulum [illegible]
[illegible] [illegible] [illegible]
n(on) gustat [illegible] sicut [illegible]
[illegible] gustus [illegible] tactus [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] gustus [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] gustus [illegible] tactus [illegible]
tactus sunt [illegible] 2 [illegible] organa [illegible]
[illegible] gustus [illegible]
[illegible] [illegible] [illegible]
[illegible] tactus [illegible] [illegible]
[illegible] [illegible] petrus [illegible]

Sed quod ista procedit [illegible] primo et non 2o non Sed
2o quod [illegible] gustus 2o non gustus non recipit de pede
sed solum de lingua Et si queratur causa [illegible] ita quod gustus
recipit de pede sed solum de lingua Et si queratur causa
ita quod gustus non recipit de pede sicut de lingua
[illegible] ad aliud 2m sic tota pars de pede [illegible]
de lingua [illegible] quod pede non quod organum
ad gustum sit de lingua Secundum quolibet queritur
quod [illegible] sit aqua calida puteus [illegible]
[illegible] in yeme quam in estate Primo [illegible] illius primo
suppono quod quanto caliditas fuerit magis vnita tanto
fortius sufficit mouere [illegible] quia quanto
fuerit magis vnita tanto fortior est [illegible] vnita fortior
et sit ipsa dispersa Secundo suppono quod caliditas [illegible]
in yeme fortificatur per antiperistasim [illegible]
sed [illegible] contrarie [illegible]
caliditas in yeme magis vnitur et per consequens magis [illegible]
fortificatur [illegible] et sufficit [illegible] fortius
[illegible] venter [illegible] in yeme
calidior quam in estate [illegible] magis [illegible] in yeme
quam in estate [illegible] calor digestiuus [illegible]
[illegible] digestiua in yeme fortificatur per
[illegible] calor [illegible] vnitur
corporis [illegible] et non de toto [illegible] parte Et [illegible]
[illegible] calidior
quam in estate [illegible] de puteis [illegible]
in [illegible] calidior quam in estate Sed quod [illegible]
antiperistasim tam in estate quam in [illegible]
[illegible] magis calor et [illegible] fortificatur
et potum est in yeme [illegible] queritur
magis [illegible] castellat [illegible]
[illegible] parte corporis [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] castellanus sit [illegible]
[illegible] quodam [illegible] horribiliter [illegible]
[illegible] illius qui [illegible]
[illegible]
[illegible] sui parte non [illegible]

sua est [illegible] non [illegible] motu
[illegible] qualitas [illegible]
parte [illegible] organum tactus et ita non [illegible]
[illegible] organa [illegible]
[illegible] tactus est [illegible] magis [illegible]
[illegible]
[illegible] organum tactus [illegible]
[illegible]
[illegible]
[illegible] plante [illegible] dispositio [illegible] ipsa
sit calida [illegible] veritatem [illegible]
[illegible] et ita [illegible] calido et frigido Primo
suppono quod tactus non percipit caliditatem magis [illegible]
sit caliditas sui organi [illegible] equale caliditati sui [illegible]
[illegible] et [illegible]
[illegible] non percipit [illegible]
Secundo suppono quod licet planta sit calida [illegible] cali
ditas [illegible] magna [illegible]
[illegible] planta sit ca
[illegible] et [illegible] caliditas organi
tactus [illegible] tactus non percipit [illegible]
[illegible] alij quod planta
non est calida [illegible]
[illegible] tactus non percipit
[illegible] actualiter et formaliter [illegible]
[illegible]
[illegible]
[illegible] apte ad
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] non est ad [illegible] organum [illegible]

quia tactus tangit et ad invicem quam gustus gustat [illegible]
[illegible] vel quia contraria [illegible] in pretio [illegible]
[illegible] non est adeptus. Secundum vel quia [illegible]
[illegible] nimia [illegible] [illegible] tacta [illegible]
[illegible] talium [illegible] [illegible] Secundum [illegible]
[illegible] est salte[m] [illegible] gustu [illegible]
dispositio organica [illegible] requiritur ad discretionem [illegible]
saporis quod non requiritur ad sentiendum. Secundum [illegible]
quia tactus et gustus non sunt omnino [illegible]
[illegible] auctoritates allegata [illegible] est [illegible]
[illegible] alterius. Consequenter queritur utrum nigredo
sit privatio albedinis. Et ar[guitur]

[illegible]

albedo in non est nigredo et propter nigredo est carentia albedinis
[illegible] apponatur [illegible] ea [illegible] color est
privatio nigredo est color et nigredo non est privatio [illegible]
[illegible] quia [illegible] sunt [illegible] color [illegible]
[illegible] salte[m] [illegible] privatio est [illegible]
[illegible] [illegible] privatio [illegible]
[illegible] Secundo sic [illegible] albedinis et nigredinis
[illegible] sunt [illegible] color
medius [illegible] nigredo non est privatio albedinis quia [illegible] privatio non
[illegible] ut [illegible]
[illegible] iste questiones [illegible]
[illegible] monebitur [illegible]

[illegible]

[illegible]

q̄ frigiditas sit amaritudo pt 2o mo q̄ priuacio
vel dulcitas quia amaritudo e q̄litas mixta ex sicco ⁊ humido
non quia dulcedo Secundo nond ⁊ sicca q̄ nil re
sistit alter vetar e poitad nisi frigi resistet sit eius ...
⁊ potentia ista sicco satis d'se vi q̄ nota Et h' darlo
fo Quito adz'y aplis sit h' pa qd ca udo ly priua
po mo tm albedo q̄ nigredo pnt q̄ priuacio pz
q̄ ipe [illegible] caus priuacio vel salt pa
tuere q̄ sicut pz pbad d noll fo Secundo qd cau
ly priuacio [illegible] 2do nigredo no e priuacio albedinis
pr' rad priuacio resistit recepcoi albedinis qd [illegible] quia
no aer pz p ar' nole [illegible] apli q̄ nil resistit [illegible]
alterd id ipm sunt eius poibus e vale [illegible]
copicia q̄ paug [illegible] valde difficile d alba [illegible]
facilius paug albus [illegible] Eq no [illegible] da [illegible]
q̄ nigredo [illegible] de pano nigro valde resistit albe
recepcoi a e forcius ut vr quia albedo resistit recep
nigredis Secundo qd sic q̄ sicut frigiditas [illegible]
cali [illegible] ita nigredo vr se [illegible] ad albedinem [illegible]
no e priuacio 2o mo caliditatis [illegible] nigredo [illegible]
albedis quia no aer pz [illegible]
frigiditas resistit calori volenti ipam [illegible]
eq agit d calite ad [illegible] pnt clia [illegible]
to s sicut pz d 2o [illegible] agit nil resistit alte [illegible]
tu nisi ipm sunt eius poibus Tercio [illegible] rad aq̄ nar
disposita no e colorata qd ipa no e alba quia no
d et [illegible] aq̄ nar disposita no e alba ⁊ [illegible] ipa
e nig et ipa e [illegible] nigredo no e priuacio [illegible] albedinis
quia [illegible] e alterd oppositorum [illegible]
[illegible] suscepti seu aptitudo [illegible]
poss [illegible] aq nar disposita [illegible]
apta [illegible] alba vel nigra [illegible] quibus nar disposito [illegible]
pz q̄ q̄ colorata no [illegible] elemta nar disposito [illegible]
sit rad commixtioe albedis ⁊ nigredis [illegible]
colores medii qd nigredo no e priuacio 2o mo [illegible]
albedinis quia tn q̄ na priuacio sit altd [illegible]
satis notu e [illegible] pz [illegible] ex libro de [illegible]
[illegible] colores medij [illegible] colorum [illegible] albe
albedis ⁊ nigredinis ⁊ [illegible] q̄ sunt plures [illegible]

ad [illegible] nigredis vel [illegible] ⁊ [illegible]
[illegible] colores medij [illegible]
pr' rad [illegible] priuacio [illegible] poibus [illegible] nigredo [illegible]
poibus [illegible] no e pura priuacio salte [illegible] quia [illegible]
aer note [illegible] nigredis e [illegible]
[illegible] e posita ut [illegible] e [illegible]
[illegible] priuatio [illegible] Secundo [illegible] rad [illegible] altera
[illegible] sit seu [illegible] nigredine [illegible] posito aquo
ad albedinem [illegible] poibus [illegible] nigredo no e
pura priuacio [illegible] albedis ⁊ [illegible]
[illegible] albus [illegible] nigredine [illegible]
[illegible] posito aquo ad albedinem [illegible] poibus
[illegible] nigredo e priuacio albedinis
[illegible] priuacio [illegible] nigredo
e [illegible] sit albedo ⁊ nigredo
e priuacio quia [illegible] priuacio 2o mo [illegible]
[illegible] albedo ⁊ nigredo videat [illegible]
[illegible] duabus superficiebus [illegible] ⁊ [illegible]
distantibus ab oculo nigredo apparet [illegible] albedo
[illegible] posita [illegible] no sit [illegible]
[illegible] nigredis [illegible] albedis q̄ nigredo [illegible] sit [illegible]
[illegible] quia albedo no [illegible] ita forte [illegible] visu
[illegible] albedo [illegible] pictores [illegible]
[illegible] superficie plana ponit album [illegible]
[illegible] apparet [illegible] album [illegible] distancia
Confirmatur q̄ sicut se h' frigiditas [illegible]
se h' nigredo [illegible] albedis [illegible] frigiditas e q̄litas [illegible]
[illegible] no [illegible] sit [illegible] quia [illegible] aer
[illegible] frigiditas no e tante [illegible]
sicut e caliditas [illegible] frigiditas
e q̄litas [illegible] no [illegible] quia sit caliditas [illegible]

Quito adz'y aplis sit
[illegible]

ordinatur [illegible] ordinatur oculi [illegible] ⁊ [illegible]
[illegible] commoditas ⁊ [illegible]
[illegible] commoditas e ut [illegible] possit
[illegible] dicit [illegible]
[illegible] e capacissima [illegible]
[illegible] rotundis [illegible]

ita quando est propinquior ut oculus melius aspiciat [illegible] continue [illegible] sicut [illegible] est [illegible] [illegible] adlocata occupatur et quando [illegible] quod adaptatur. [illegible] [illegible] est quare non videtur [illegible] [illegible] audita autem [illegible] quia [illegible] est quod adaudiendum non requiritur medium diaffonum [illegible] sonantem [illegible] diaffonum [illegible] adulteratur sonum non [illegible] [illegible] videndum requiritur medium diaffonum. Et addit quod color videatur requiritur quod lumen mandat super ipsum [illegible] non sufficit [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] non ordinantur [illegible] [illegible] [illegible] [illegible] ad contemplationem super organum visus puta [illegible] [illegible] [illegible] [illegible] non ordinatur [illegible] [illegible] [illegible] quod ita est [illegible] [illegible] [illegible] [illegible] organum visus [illegible] subtile [illegible] passibile [illegible] [illegible] et ideo ut defendantur [illegible] non [illegible] [illegible] super ipsum [illegible] [illegible] non est [illegible] [illegible] [illegible] organum visus valde grosse [illegible] [illegible] [illegible] sufficiunt [illegible] [illegible] Et ideo non [illegible] [illegible] [illegible] quare est quod multi [illegible] [illegible] [illegible] [illegible] oculos non vident [illegible] quod [illegible] [illegible] [illegible] non sufficit [illegible] organi [illegible] [illegible] debita [illegible] organica [illegible] visus [illegible] non agit operatio [illegible] debita [illegible] [illegible] [illegible] [illegible] [illegible] dispositione qualificationem [illegible] operatio [illegible] [illegible] requisita [illegible] [illegible] [illegible] [illegible] organum visus [illegible] puta diaffonum [illegible] [illegible] [illegible] [illegible] dispositio [illegible] organica [illegible] [illegible] [illegible] oculus est soluta et [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] quod solum [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] diaffonitas ad albedinem [illegible] [illegible] lapides [illegible] [illegible] [illegible] [illegible] diaffonum [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] albedo [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] medius color [illegible] [illegible] [illegible] [illegible] albedo [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] albedinem [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] summa albedo [illegible] latitudo [illegible] articulum [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] color. Et [illegible] [illegible] [illegible]

[illegible] est [illegible] [illegible] [illegible] [illegible] [illegible] coloris [illegible] [illegible] [illegible] [illegible] color non est [illegible] coloratur [illegible] [illegible] coloris [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] coloris [illegible] [illegible] non [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] color [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] color ut [illegible] [illegible] [illegible] [illegible] coloris [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] libro [illegible] [illegible] coloris est [illegible] [illegible] diaffonitas [illegible] [illegible] coloris est [illegible] [illegible] [illegible] [illegible] [illegible] coloris [illegible] [illegible] [illegible] quod visus [illegible] [illegible] [illegible] coloris [illegible] [illegible] [illegible] visus [illegible] color est [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] coloris [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] coloris [illegible] coloris [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] coloris [illegible] [illegible] [illegible] coloris [illegible] non [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] libro [illegible] [illegible] [illegible] [illegible]

perspicuitate negat colorem esse de perspicuo. Et quod sit [illegible]
quod colorem [illegible] dyaphanum explicat [illegible] ergo non est
pondus quia tamen quod sit subiectum color est de perspicuo ergo perspicuum
est tractatum. Et ultimo perspicuum est tractatum ergo perspicuum non est
perspicuum quod implicat contradictionem ita consequenter erunt tres articuli
primus ponit notabilia de eo quod [illegible]. Circa tertium movebitur questio
libera. Quantum ad primum est sciendum cum apud naturales [illegible]
de diaphano transparentis perspicuum et [illegible]
sunt se dividit [illegible] in [illegible] ut [illegible] capitulo. [illegible]
[illegible] notandum est sicut corpus de perspicuo
vel diaphano [illegible] possumus videre ad extra sicut quod non
[illegible] visu [illegible] quod non prohibeant quin [illegible] ad [illegible]
[illegible] videre. [illegible] corpus de perspicuo [illegible]
[illegible] ut sit sic [illegible]. Secundo notandum quod corpus
non de quo intellectum [illegible] quod est diffinitive seu potentia
[illegible] de intellectu [illegible]
[illegible] acer [illegible] dispositus [illegible] vitrum cristallum et
[illegible] corpus de opaco seu [illegible] quod [illegible] tradere visui
[illegible] ita quod prohibent ad extra [illegible] videre
[illegible] coloris [illegible]
[illegible] opaco [illegible]
[illegible]. Secundo notandum quod corpus [illegible]
[illegible] diaffonicitas vel perspicuitas [illegible]
[illegible] opacum [illegible]
[illegible] corpus quod [illegible] perspicuum [illegible]
diaffonicitas vel perspicuitas [illegible] corpus
opacum [illegible] non [illegible] vel [illegible]
[illegible] aurum vel ferrum [illegible]
[illegible] quod fiat perspicuum [illegible] ad extra
videre. [illegible] corpus est opacum [illegible]
[illegible] opacitas quod visui [illegible]
[illegible] ad extra videantur
[illegible] corpus [illegible] vel [illegible]
[illegible] ad extra videntur aut posset [illegible]
[illegible] quod opacum [illegible]
[illegible] est ad [illegible] opacum [illegible]
opacum. [illegible] quod [illegible] vel ferrum [illegible]
[illegible] duo [illegible]
[illegible] perspicuum [illegible] opacitas
seu [illegible] perspicuum [illegible] extra [illegible]
perspicuum seu diaffonum [illegible] est [illegible]

[illegible] ad extra [illegible] videre sicut quod non [illegible]
visui [illegible] sicut [illegible]
[illegible] seu [illegible]. [illegible]
perspicuum seu diaffonum [illegible] visui [illegible]
[illegible] non [illegible] quod [illegible] aequaliter visui [illegible] perspicuum
ad extra videntur ut vitrum vel cristallum. [illegible]
[illegible] quod perspicuum [illegible] sicut opacum
ita quod [illegible] perspicuum [illegible]
[illegible] extra de perspicuo [illegible] corpus de
perspicuum [illegible]. [illegible] quod [illegible] opacum
non est [illegible] densitas ipsius medii et quod diaffonici
tas non est [illegible] raritas medii vel perspicuum [illegible]
[illegible] multa [illegible] extra rara quod tamen non sunt
perspicua ut flamma ignis [illegible] apud nos quod est valde
rara [illegible] est opaca [illegible] visui [illegible] ut [illegible]
[illegible] multa [illegible] extra densa quod tamen sunt [illegible]
[illegible] sicut patet de vitro et lapidibus [illegible] cristallinis
[illegible] opacitas medii non est densitas eiusdem. [illegible]
[illegible] magis de densitate et opacitate posuit quod
opacitas [illegible] est [illegible] distincta a densitate [illegible]
et diaffonicitas est [illegible] distincta a raritate [illegible]
[illegible] opacitas et diaffonicitas [illegible] corporibus
[illegible] opaco et diaffono distincte a raritate et densitate
[illegible] ponebat quod opacitas [illegible] non est [illegible]
distincta [illegible] opaco [illegible]
[illegible] perspicuitas [illegible] diaffonicitas non est [illegible] distincta
[illegible] perspicuo seu diaffono [illegible] ipsum [illegible] perspi
[illegible] in tali [illegible]
[illegible] non est pluralitas ponenda sine necessitate [illegible]
[illegible] perspicuum est [illegible]
[illegible] quod [illegible] salvare tenendo quod opacitas [illegible]
[illegible] opacum seu transparens [illegible]
[illegible] in [illegible]
[illegible] quod [illegible] color [illegible]
[illegible] reali [illegible] quatenus [illegible]
[illegible] ad [illegible]
[illegible] visui [illegible] perspicuitas [illegible]
[illegible] color [illegible] spirituali [illegible] color
[illegible] colores [illegible]
reali. [illegible] quod [illegible] colores
[illegible] spirituale [illegible] color spiritualis [illegible]
[illegible] non est de colore reali quod

[illegible]

[illegible]

[illegible] pauperaut[illegible] sanguine a p[illegible] apparet facies [illegible]
[illegible] ita pallida et [illegible] [illegible] videtur quod [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] Causa [illegible] [illegible] [illegible] verecundia [illegible]
[illegible] [illegible] [illegible] [illegible] verecundia quia [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] absentia [illegible]
quibus verecundatur [illegible] [illegible] [illegible] [illegible] [illegible]
mittit ibi sanguinem [illegible] [illegible] [illegible] [illegible]
[illegible] ibi rubedo Vel [illegible] [illegible] [illegible] [illegible]
verecundatur [illegible] [illegible] [illegible] [illegible] [illegible] absconde[illegible]
mittit ibi sanguinem [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] in dubio [illegible] [illegible] [illegible] [illegible]

[illegible]

[illegible] [illegible] [illegible] implicat [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] sapor [illegible] odor
[illegible] [illegible] quod odor vel sapor [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] odor vel sapor [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] quod color
non impedit[illegible] [illegible] visibile [illegible] possit videre [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] color [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] visibile [illegible] [illegible] possit videre
[illegible] [illegible] [illegible] [illegible] [illegible] colorata [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
color [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] sole

[illegible]

ca sufficienti eo modo quo sufficit dz possunt esse cui [illegible] quo
specialia [illegible] quantum pertinet ad visionem actuatam et passivam
et spacium lucidum reductarum sit sufficiens cum colore sit
intentio sed quod spacium fuit abinit colorata. 2a opinio fuit
quod spacia ista preparata sit actu colorata ubique
sed quod realis color dicitur partibus interioribus actuatur quod
colorati abinit sicut superficiali differt [illegible] 2o posuit
[illegible] opinio quod color realis cum desit [illegible] non est sufficiens
concomitante corporis tanti corporea [illegible] concomitante corporibus
immediati et contigui corpori opaco et tacto ut color
realis quo [illegible] albus [illegible] hanc opinionem non est [illegible]
[illegible] [illegible] concomitante corporis [illegible] actus [illegible]
contiguum [illegible] Et contra hanc opinionem arguitur [illegible]
[illegible] si detur illius opinionis [illegible] quod corporis [illegible]
est tractum et [illegible] visu unum tantum [illegible]
[illegible] non [illegible] quod multiplicatur [illegible]
[illegible] quod corporis color [illegible] visus [illegible]
quo [illegible] color visu unum [illegible] tantum. Secundo sicut color
[illegible] quantum pertinet ad visionem adaptandum
debitum reductorum [illegible] [illegible] congruum est actus
[illegible] armonia [illegible] non [illegible] naturaliter [illegible]
[illegible] non fuit [illegible] [illegible] summa [illegible]
summa celeritas [illegible] [illegible] Tertio sicut si opinio
[illegible] est [illegible] quod elevatio actus vel [illegible] vel [illegible]
non est [illegible] simpliciter quod impotentia [illegible] quia [illegible]
non est [illegible] [illegible] ut [illegible] est [illegible] sicut [illegible]
[illegible] est [illegible] communia a forma [illegible] sicut et elevatio [illegible]
[illegible] elevatio est [illegible] simpliciter actum quod ut posuit
opinio [illegible] [illegible] elevata [illegible] fuit colorata. Tertia opinio
et [illegible] quod color [illegible] [illegible] [illegible] opinio
et non est [illegible] [illegible] saltem [illegible] opaco [illegible]
8 [illegible] visu unum tantum. Secundo notandum quod [illegible]
[illegible] color et lux et quod [illegible] color realis [illegible]
Unde primo dicitur lux et color quod lux [illegible] est visibilis [illegible]
ad corpora lucida [illegible] color non est [illegible]
non [illegible] quod color videatur requiritur lux [illegible]
[illegible] colores [illegible] quod [illegible] multi est [illegible]
[illegible] quod ut solum [illegible] [illegible] [illegible]
[illegible] lux [illegible] colores requiritur lux [illegible] colores et [illegible]
Secundo dicitur quod color non [illegible] in corporibus celestibus
[illegible] [illegible] [illegible] celi [illegible] celum est [illegible]
[illegible] [illegible] [illegible] actus [illegible]

color [illegible] quamvis sit lux [illegible] [illegible] in corporibus celestibus
Tertio dicitur quod color est qualitas [illegible] dependens [illegible]
[illegible] quantum pertinet ad visionem [illegible] [illegible] [illegible]
[illegible] [illegible] et [illegible] [illegible] [illegible] quod [illegible]
[illegible] colorem et lucem quod lux non est visibilis sicut colores
[illegible] lux est [illegible] lucidus et [illegible] albedo vel
[illegible] non est visibilis sicut [illegible] lux non est visibilis [illegible]
[illegible] lucis seu lucidus [illegible] vel aqueo [illegible]
et diffusum. Secundo dicitur non lux dependet [illegible]
et [illegible] color [illegible] non 2o dicitur non lux [illegible]
[illegible] celestibus [illegible] [illegible] color [illegible] non [illegible]
dicitur quod lux non dependens [illegible] [illegible] activus et passivus
[illegible] saltem [illegible] lux [illegible] lumine [illegible] celestium
color [illegible] dependens [illegible] [illegible] Et [illegible] [illegible]
Queritur [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] color est [illegible]
[illegible] [illegible] fuit [illegible] [illegible] coloris [illegible] [illegible]
[illegible] non est sufficiens [illegible] coloris [illegible] dubia quae [illegible]
[illegible] [illegible] [illegible] [illegible] coloris [illegible] non sit
[illegible] [illegible] [illegible] [illegible] coloris. Secundo [illegible] [illegible]
sufficiens [illegible] coloris et bona. Secundo [illegible] non voluit
[illegible] color [illegible] [illegible] quod [illegible] [illegible]
[illegible] quaerit [illegible] [illegible] et sufficiens [illegible]
coloris si [illegible] [illegible] [illegible] [illegible]
[illegible] coloris realis [illegible] actu videntur [illegible] [illegible] quod
[illegible] corpus actu videatur [illegible] [illegible] [illegible] [illegible]
coloris [illegible] quod color sit [illegible] seu superficies colorati
[illegible] quod [illegible] colorari [illegible] opaca densitas [illegible]
Secundo requiritur quod [illegible] [illegible] seu superficies [illegible]
colorati sit [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] data [illegible] [illegible] [illegible]
[illegible] sit [illegible] [illegible] [illegible] [illegible]
[illegible] quod [illegible] color [illegible] [illegible] [illegible] seu
[illegible] [illegible] seu [illegible] [illegible] [illegible] [illegible]
[illegible] quod [illegible] corpora colorem [illegible] Et [illegible] color
[illegible] [illegible] [illegible] Color [illegible] [illegible] visus [illegible]
colorem [illegible] et [illegible] Et [illegible] sit Color [illegible]
[illegible] corpori [illegible] alteratio [illegible] [illegible]
[illegible] non [illegible] color [illegible] celestia [illegible] colorata
[illegible] lucida [illegible] sicut non [illegible] coloris [illegible] [illegible]
[illegible] [illegible] color est qualitas [illegible] [illegible] [illegible]
pertinet ad visionem alteratione [illegible] [illegible]

et disgregativus color quam luce [illegible] de articulo 2o

Utrum adhuc articulo sit [illegible]
quilibet istarum quaestionum [illegible]

calida cadat super lapidem vel terram causat maiorem [illegible]
strepitum sonum quam si super eundem vel eandem caderet aqua frigida
[illegible] quaestio. Prima conclusio supposito quod calidum est [illegible]
[illegible] et leve [illegible] patet supposito quod ad calefactionem [illegible]
sequitur raritas et levitas sicut patet de aqua in [illegible]
Secunda suppositio quanto aqua est magis levis tanto [illegible]
super eam diutius causat sonum debiliorem et diminutiorem [illegible]
quod quanto aqua est levior tanto [illegible] diminutior [illegible]
et sonum debilius diminuit aer [illegible] quod [illegible]
est quod aqua calefacta est rarior et levior quam aqua frigida [illegible]
qui et ut [illegible] suppositum et sequitur [illegible]
cadentis super lapidem ut [illegible] suppositum. Secunda conclusio
quod aqua calida [illegible] congelatur quam frigida salva [illegible]
calefacte. Patet quia aqua calida est rarior et [illegible]
corporis resistentia quia aqua frigida [illegible]
et [illegible] congelativa [illegible] super eam quam super aquam
frigidam quia virtus unita est fortior se ipsa dispersa [illegible]
ad congelationem non sufficit sola frigiditas [illegible]
[illegible] quantum est aeris frigiditas non [illegible]
[illegible] et ideo requiritur [illegible] congelativa [illegible]
[illegible] et diffusiori de aqua calida [illegible]
Tertia conclusio [illegible] quod [illegible] manus frigida
et applicatur [illegible] sentit postea [illegible]
[illegible] quia [illegible] ut supponitur manus est frigida
et [illegible] applicatur igni frigiditas manus [illegible]
[illegible] virtus [illegible]
fortior [illegible] dispersa non solum resistendo [illegible]
agendo [illegible] fortius agit [illegible] manum [illegible]
causa [illegible] antiperistasis [illegible]
[illegible] Quarta conclusio quare [illegible]
[illegible] aer magis frigidus quam circa mediam noctem [illegible]
[illegible] parte noctis [illegible] assignatur [illegible]
antiperistasis quia [illegible] sol incipit oriri [illegible]
[illegible] radii sunt calefactivi [illegible] frigiditas [illegible]
[illegible] et [illegible] aer [illegible]
[illegible] media parte noctis [illegible] diutius [illegible]
absentiam radiorum solarium [illegible] radii solares [illegible]
[illegible] aere [illegible] caliditas
[illegible] sole non solum [illegible]

desinit [illegible] noctis [illegible] magis
[illegible] color et [illegible] usque ad auroram. Quinta
conclusio quare aqua volentes abluere sua frigefacere
exponunt ea vento [illegible] ventus est exhalatio calida
et sicca ut patet primo metheororum [illegible]
[illegible] debet [illegible] calefacere [illegible] frigefacere vel saltem
[illegible] intendere [illegible] quod [illegible]
[illegible] abluere [illegible] solum [illegible]
[illegible] aere frigido repellendo [illegible]
[illegible] Sexta conclusio [illegible] aquis [illegible] quod [illegible]
[illegible] ad infrigidandum [illegible] motum sit calefactivus
[illegible] ut patet primo metheororum [illegible] quod motus [illegible]
non [illegible] infrigidandum [illegible] solum [illegible]
[illegible] fumum calidum
qui intra [illegible] fuit in [illegible] de articulo 2o

[illegible]
[illegible] secundi articuli Et
[illegible] allegata [illegible] ut [illegible]
[illegible] dubium de 2o articulo [illegible]

Utrum colores medii generantur
ex commixtione colorum extremorum

Et arguitur primo quod non quia colores extremi
non sunt admiscibiles [illegible]
[illegible] colores extremi non
sunt res corporee [illegible]
[illegible] colores medii generantur ex commixtione colorum extremorum
[illegible]
[illegible] color medius [illegible]
[illegible] duo colores [illegible]
[illegible] commixtio fiet generatio colorum
extremorum [illegible]
[illegible] color medius non posset generari nisi ex
commixtione colorum extremorum [illegible]
[illegible]
[illegible] colores medii [illegible] colores extremi
[illegible] colorum mediorum [illegible] herbis et floribus [illegible]
[illegible] colores extremi non sunt admiscibiles [illegible]
[illegible] non [illegible] generationem colorum mediorum

tz ista q[uod] in isto libro dicit se admisceri mutuo et agere et
pati ita put videtur [illegible] complete [illegible] dicit [illegible]
albedo non agit in nigredinem nec econverso Et tamen illi sunt colores
extremi sunt colores non generantur ex commixtione colorum ad invicem
Et econverso [illegible] primarum ad invicem Quarto sic si sic
quod nigredo et [illegible] rubere quod est falsum quia nigredo
[illegible] [illegible] albedinis sed rubedo non est pura [illegible]
[illegible] [illegible] [illegible] lividitas non est [illegible] rubedine
[illegible] [illegible] color medius qui est rubeus [illegible]
albedinis et nigredinis qui sunt colores extremi [illegible] nigredo [illegible]
[illegible] rubeus Et per consequens [illegible] [illegible] rube
Quinto sic sequitur quod [illegible] non posset [illegible] albi [illegible]
[illegible] [illegible] ponit colores medios quod est falsum [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] Et hic loquor [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] de uno colore medio quod [illegible] [illegible] sic quod [illegible]
[illegible] ponit colores medios si [illegible] [illegible] albi [illegible]
[illegible] sequitur quod [illegible] color medius est [illegible] [illegible]
[illegible] [illegible] [illegible] color medius [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
per adversarium color medius [illegible] generatur ex commixtione colorum
[illegible] [illegible] quod color medius sit [illegible] [illegible]
[illegible] [illegible] [illegible] albedinis et [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] Octavo sic sequitur quod
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
color medius [illegible] [illegible] [illegible] color medius [illegible] [illegible]
rubedo et flavedo sunt colores medii [illegible] [illegible]
[illegible] color medius generatur ex [illegible] colorum [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] albedinis Nono sic [illegible] quod [illegible]
[illegible] in [illegible] [illegible] proportione et adequate quod est falsum [illegible]
[illegible] per adversarium color medius generatur ex commixtione colorum
[illegible] [illegible] albedinis et nigredinis [illegible] [illegible] colores
[illegible] [illegible] [illegible] [illegible] proportione et adequate
Decimo sic tepiditas non generatur ex commixtione colorum [illegible]
[illegible] [illegible] [illegible] quod [illegible] color medius [illegible]
[illegible] colores extremi [illegible] [illegible] [illegible]
[illegible] [illegible] medium [illegible] caliditatem et frigiditatem [illegible]
[illegible] sic sequitur quod duo [illegible] [illegible] in [illegible] [illegible]
[illegible] adequate quod est falsum quia quod caliditas [illegible]

sunt contrarie adequatorum tepiditatis que sunt qua
litates contrarie sic quod tepiditas constituitur ex cali
ditate et frigiditate Undecimo arguitur sic si sic
sequeretur quod color medius alicui appareret medius
et alteri non appareret medius et loquor de alteris
videntibus quod est falsum ut videtur quia probatur quia per
adversarium color medius generatur ex commixtione
colorum extremorum Et per consequens habentes oculos for
tes appareret colores extremi quod illos discernere p
tuerunt commixtionem colorum ad invicem et sic
iudicarent de coloribus extremis et non mediis Du
odecimo arguitur sic si sic sequeretur quod color me
dius non esset color quod est falsum quod non est totum in
uno de sua parte [illegible] quia quod color medius non esset
unus color sequitur per adversarium esset aliquid ex gra
dibus albedinis et gradibus nigredinis ex quibus
non fit una qualitas et per consequens color medius ut
sic non esset color sequitur non est unus color quia
[illegible] est color et unus color sicut propositio et una p
ropositio homo et unus homo ut patet per [illegible]
primo elenchorum [illegible] oppositum arguitur auctori
tate aristotelis in isto libro et quinto phisicorum
Decimotertio arguitur sic [illegible] ita sicut se habet
tepiditas ad caliditatem et frigiditatem sic se habet
color medius ad colores extremos Sed tepiditas
generatur ex commixtione caliditatis et frigiditatis ad invicem
ergo color medius generatur ex commixtione colorum ex
tremorum ad invicem [illegible] [illegible] [illegible] [illegible]
[illegible] quia [illegible] tepiditas [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] caliditas [illegible] [illegible] [illegible] [illegible] proportione et adequate
[illegible] sic non color medius [illegible] medius inter colores extremos
[illegible] medius participatione extremorum [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] sic [illegible] [illegible] [illegible] [illegible] quod albedo
et color medius inter rubeum et nigrum [illegible] ut
[illegible] [illegible] quod est medius color inter rubeum et nig
[illegible] [illegible] [illegible] quod [illegible] quod albedo non est rubedo nec
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] colorum extremorum ad invicem appareret et resultat
[illegible] [illegible] [illegible] non sit nisi color medius [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] ad invicem
[illegible] [illegible] [illegible] [illegible] [illegible] novum

coloris medii sit duplex videlicet quod sit color medius secundum appa-
rentiam et non realiter ... sicut sit color apparentibus ...
Et quod sit color medius realiter et veritate ...
[illegible]

quod de coloribus mediis ... non dicit visus simpliciter indicat
ambigue et dubiose ita quod ... indicando indi-
cando ... color medius ... aliud ...
[illegible]

[illegible]

ex initio sed predicamentum sic quod nulla causa sufficit ut se [illegible]
[illegible] suum effectum [illegible] producere. Ego notandum quod [illegible]
[illegible] due [illegible] productive effectum [illegible]
[illegible] fortes [illegible] passum [illegible]
dicit [illegible] sic quod [illegible] producat suum [illegible] effectum
[illegible] completive quod [illegible] producit completive suum [illegible]
[illegible] quod [illegible]
sic [illegible] suum [illegible] effectum [illegible] passum quod si sic [illegible]
[illegible] passe et adequate [illegible]
[illegible] contrarie [illegible] producunt
effectum medium [illegible] extremorum quorum [illegible]
[illegible] producte [illegible] sit [illegible]
[illegible]
[illegible] appareat rubeum. Tertio notandum quod [illegible]

[illegible]

quod genus color medius verus et realis est forma et quod forma
[illegible] simplex [illegible] simplex [illegible] dicit autem [illegible]
philosophorum [illegible] forma est composita [illegible]
[illegible] colores
medii veri et reales non causantur commixtione [illegible]
colorum extremorum adinvicem quod colores [illegible] non sunt qualitates
active [illegible] Sequitur
[illegible] quod magna est differentia inter tepiditatem [illegible] caliditatem
et color medius [illegible] colorum extremorum. Secunda pars: colores medii
veri et reales non causantur commixtione colorum extremorum [illegible]
[illegible] colores extremi [illegible]
quod color medius non est color [illegible] sequitur quod color medius
non est aggregatum [illegible] est unus color et [illegible] non est color
[illegible] color et unus color [illegible] quod medius color non
est forma [illegible] simplicitate [illegible]
[illegible] colores medii veri et reales
non causantur commixtione colorum extremorum [illegible]

[illegible]

[illegible]

... formali evaporatione ... calefactam odorabilem ... aliquos ... quibus odor ... visibilem ...

... visibilia ... odorabilem ... odor ... distantia ... evaporatione ... visibilem ... spiritualiter ... odorabilem ... odores ... estate ... hyeme ... medium ... grossum et densum ... frigiditatem ... odor ad ... evaporatione ... grossiciae et densitatem ... estate ... medium ... odorabilem ... evaporationem ...

[illegible]

[illegible]

exist(?) ... ad quomodo(?) ... [illegible] ... [illegible]
parti [illegible] vel caliter et ... [illegible]
... quod a ... arguit de coloribus solum ... [illegible]
de coloribus mediis ... [illegible] ... et realibus etc. ...
ad propositum ... arguitur ... [illegible]

... [illegible] ... sapor(is) ... [illegible]

quod non ... [illegible] ... quod nullum ... sapidum ... [illegible]
... et ... [illegible] ... [illegible]
... passio ... adequata et ...
... Et si ergo ... sic primo ... saporis ... quod ... [illegible]
solum ... quecumque ... quod non ... Secundo arguitur quod ...
quod ... sicca ... sapida quod humida ... quod ...
... corpora humida ... sapida et ... sicca ...
sapida ut ... aromatica ... [illegible]
... Tertio sic ... quod ... [illegible]
... sapidum ... [illegible]
... sapida ... magis humida ... [illegible]
... sicut ... ad ... sic magis ad ...
... Quarto sic ... ergo ... [illegible]
... sic dicitur ... [illegible]
... quod non ... quod ... saporis ...
... liquidorum est subtilissima ... sapidum ... [illegible]
... sic dicitur ... humidum ... [illegible]
Quinto arguitur sic ... ergo ... humidum ... humidum ...
... dispositio ... [illegible]
... quod non ... sapor ... humidum ...
simplicia seu elementa quod ... elemento ... sapor ... [illegible]
... elementum ... dispositio ... [illegible]
... quod sic ... non magis humidum ... sapor ...
... sicut ... humidum ... [illegible] ... sapor ...
... non ... [illegible]
... Sexto sic ... saporis ... [illegible]
... humidum ... [illegible]
... quod sicca non ... sapores ... [illegible]
... humidi ... sapidum ergo ... quod humidum ...
sapidum Septimo sic sicca ... saporis ... humidum ...
... humidum et sicca ... passio ...
... dulce ... sapor ... [illegible]
... quod ... in ... [illegible]
... saporis ... sapor ... [illegible]
... humidum ... [illegible]
... corpora ... valde humida ... [illegible]
... sunt sapida ut ... [illegible]

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... in isto libro ... de sapore et ... ordinavit
... gustus ... humido quod ... [illegible]
... corpora sicca non ... gustus ... [illegible]
... corpus ... abstinendo ... sicut ... [illegible]
... speciebus aromaticis ... [illegible]
... nulla ... [illegible]
... [illegible]

... sapor ... [illegible]
... est sapor ... actualis

... qui sufficit ... gustus ... [illegible]
... agente ... sapor ... sapor ...
... non sufficit ... gustus ... ad
... gustandi ... agente ... [illegible]
... sapor saporis Secundo ... sapor ... [illegible]
... passio ... [illegible]
... quod sapor ... [illegible]
... corpus ... alteratum gustum ... [illegible]
... quod omnis sapor ... debite ... [illegible]
... Secundo ... [illegible]
... sapores ... Tertio
... elementum ... dispositio est sapidi ... [illegible]
... Quarto sic quod nullum ... elementum ... [illegible]
... est sapidum ... elementum est sapidum ...
Quarto ... quod ... sapores ... [illegible]
... sapor vini qui sapor ... [illegible]
... sicut sapor sulfuris et ferri qui
... sapor ... Quinto ... quod ipsi sapores ... [illegible]
... [illegible]
... Sapor cardoni aliter ... [illegible]
... [illegible] ... sapores ... [illegible]
... cardoni ... [illegible]
... et aliud ... forte ... forte ...
... dicere ... quod ... distinctio sit ... [illegible]
... quod sapor sit passio ... quod ... sapor
sapor ... [illegible]
... Sexto ... quod ... humidum ... [illegible]
... et ... [illegible]
... quod ... [illegible] ... humido ...
... de sapore actuali ...
actuali ... [illegible]

Quinto ad ... [illegible]
... nullum ... elementum
... sapores ...

... actuale ... [illegible] ... sapor ... [illegible]
... [illegible]
... [illegible] ... sapida ... [illegible]
... [illegible] ... probando

quod terra nutriat et sic aliud elementum primum. Secundo autem antiquorum
ponendum quod eorum sunt aliqua ducentia vitam corporis elementi
scilicet talpa terra, camaleon aere, allec aqua et salamandra
igne. Unde eorum corporibus vitam ducunt elementa. Talpa
nutritur terra, camaleon aere vivit, allec unda, fonte
ignis pascit salamandra. Secundo autem nos componimur ex
puris elementis quod nos corporibus nutrimur possumus quia [illegible]
[illegible] calor [illegible] ubi dicitur ex [illegible] nutrimento quod [illegible]
Ideo ab [illegible] adducte antiquorum [illegible]
aliqua vivunt corporibus elementorum. Unde ibi scilicet quod talpa [illegible]
aliqua [illegible] adomico et salamandra [illegible]
[illegible] nutrimentum [illegible] dicitur [illegible] nutrimentum
[illegible] calidum [illegible] sit calor nutriendo [illegible] illud elementum
nutrimentum [illegible] sicut [illegible]
fiat mixto [illegible] nutritiva [illegible] vegetativa [illegible]
calor [illegible] possit [illegible] nutrimentum [illegible]
[illegible] nutrimentum [illegible] quatuor [illegible]
[illegible] vegetativa [illegible]
[illegible] possit [illegible] nutrimentum [illegible] ad [illegible]
Utrum [illegible] nos componimur [illegible]
quod [illegible] complexionibus [illegible] elementorum [illegible]
[illegible] corruptis [illegible] elementorum [illegible]
[illegible] corporum [illegible] elementorum [illegible]
[illegible] manent [illegible] elementorum [illegible] ambo salvat [illegible]
corrupti [illegible] elementorum [illegible]
corporum [illegible] et desinunt [illegible]
actuales [illegible] corrumpitur [illegible]
[illegible] elemento [illegible] corpus [illegible] nullo puro elemento [illegible]
[illegible] sapor [illegible] sapor [illegible]
sapor [illegible] Consequenter [illegible] quod aer et aqua [illegible] elementa
[illegible] dispositionibus [illegible] habent saporem quod est [illegible]
[illegible] disposita non sit sapida. [illegible] quod terra [illegible] non est [illegible]
[illegible] saporis [illegible] adequatur humido et adequatur sicco [illegible]
[illegible] humidum [illegible]
[illegible] humidum et siccum. [illegible] quod [illegible] siccum [illegible] adomico
[illegible] est [illegible] saporis [illegible] Tertia quod sicut [illegible]
[illegible] sicco adomico [illegible] sapor [illegible]
[illegible] sicco adomico non est [illegible] saporis actualis [illegible]
[illegible] sapor [illegible]
[illegible] adomico non sit in [illegible] organum [illegible]
[illegible] humido actuali sapor [illegible]
quod [illegible] sic humidum [illegible]
[illegible] humido [illegible]
[illegible] caloris [illegible] qui non [illegible] humido et [illegible]
[illegible] nisi [illegible] humido

[illegible] qualitatibus [illegible] actualiter [illegible] Secundo [illegible] quod nullum
purum elementum [illegible] dispositio est [illegible] saporis [illegible]
[illegible] Tertia [illegible] mixtum [illegible]
humidi adomico [illegible] saporis actualis [illegible]
[illegible] saporis [illegible] adequatur humido et adequatur sicco et non
[illegible] adomico [illegible] humidi adomico sicut [illegible]
[illegible] Secundo [illegible] quod humidum est [illegible] saporis [illegible]
[illegible] sicut mixtum de humido mixto [illegible] sapor actualis.
Secundo scilicet quod sapor [illegible] tamen [illegible]
tamen [illegible] saporis [illegible] humidi
tamen [illegible] sicco [illegible] calor [illegible]
[illegible] sicco et mixtio ad humidum. Secundo [illegible] quod [illegible]
saporis [illegible] sicco [illegible]
est color qui [illegible] ad sicco ad humido. [illegible]
[illegible] sicut [illegible] ad humido [illegible] et [illegible] sapor [illegible]

Ultimo adverte [illegible]
sit [illegible] quare

sudor [illegible] est salsus [illegible] urina et lacrime. [illegible] sapor [illegible]
[illegible] humidi [illegible] partes [illegible]
[illegible] saporis [illegible] quare aqui[illegible]
[illegible] calidi [illegible] et aqua [illegible] quare aque fontes
[illegible] fontalis [illegible] sulfurea et quare
[illegible] sit salsa [illegible] et adustas [illegible]
[illegible] sibi [illegible] adgesta
[illegible] sudor urina et lacrime [illegible] partes [illegible]
[illegible] sibi [illegible] quare sudor
[illegible] superfluitas [illegible] digestionis et
[illegible] humidi non est [illegible] ad sicco et [illegible] apparet sudor
[illegible] labor [illegible] quare [illegible] et [illegible] aliqua
[illegible] sudat [illegible] labor [illegible]
[illegible] et [illegible] apparet [illegible]
[illegible] subtiliant et [illegible] sudores
[illegible] Tertio [illegible] quare [illegible] plus sudat
[illegible] quare humores calefacti
[illegible] et ascendunt caput et quare frons [illegible]
[illegible] amplius [illegible]
[illegible] frons [illegible] frons
[illegible] deservans [illegible]
[illegible] quare sapores fructuum [illegible] sunt [illegible]
[illegible] sapores fructuum veterum [illegible] quod [illegible]
[illegible] fructibus [illegible] humidi non est ita
[illegible] ad sicco sicut in fructibus veteribus [illegible]
[illegible] sapor. Ultimo [illegible]
[illegible] dulce [illegible] sal [illegible] sal [illegible] quare
[illegible] dulce [illegible] complexionibus quod

q̄ e vbi adiuncti [illegible] dilectabilis
gustui et naturę [illegible] ne convertatur nausea [illegible]
[illegible] sal est [illegible]
adiuvat stomachi in quo melior est digestio [illegible]
[illegible]
est saporis sapore actuali [illegible]
deprehendi [illegible] sapida actualiter [illegible]
[illegible] de sapore actuali [illegible]
perdit de se sal saporibus sapore actuali [illegible]

[illegible]

[illegible]

sapor [illegible]

[illegible]

res e[st] Scd[o] p[ate]t q[uia] res a[n]i[m]ata carens a[n]i[m]o sp[eci]ebus no[n]
d[icitu]r diffiniri differ[enti]a tali q[ua]e d[icitu]r p[atet] q[uia] [illegible] q[ui]d
de[us] no[n] h[abe]t salt[em] d[e]f[i]c[i]e[n]te abs[olute] [illegible] novit q[ui]
p[ossi]t d[ic]i q[uod] de[us] s[i]t [illegible] suu[m] s[ib]i [illegible] T[er]tio s[e]c[un]d[u]m
[illegible] sapor [illegible] seu for[m]a [illegible] no[n] [illegible] for[m]a[rum]
[illegible] for[m]al[e] [illegible] d[ic]t[u]m p[atet] q[uia] [illegible] artic[u]l[i] 2o [illegible]
no[n] e[st] for[m]a [illegible] e[st] [illegible] ad bo[n]u[m] [illegible] q[uod] for[m]a [illegible]
e[st] for[m]a altera for[m]e [illegible] nec for[m]a [illegible] no[n] e[st] for[m]a [illegible]
for[m]e [illegible] q[ui]b[us] no[n] obstante for[m]a [illegible]
in for[m]a [illegible] d[ic]i[tu]r [illegible] for[m]al[e] [illegible] d[ic]t[u]m q[uia] [illegible]
[illegible] dicebat [illegible] e[st] for[m]a[rum] [illegible] ad [illegible]
[illegible] sapor [illegible] for[m]ales [illegible]
[illegible] q[uod] [illegible] sapor e[st] diffinib[ilis] [illegible] for[m]al[e] [illegible]
[illegible] Q[uart]a [illegible] q[uia] [illegible] diffiniri [illegible]
[illegible] q[uia] no[n] [illegible] for[m]ales [illegible]
e[st] activ[us] Q[uar]to s[e]c[un]d[u]m [illegible] articl[i] [illegible] no[n] [illegible]
[illegible] s[t]at put [illegible] d[ici]t [illegible] p[ro]p[ter] [illegible]
[illegible] m[a]t[er]ial[e]s quia s[i]t [illegible] [illegible] p[atet] q[uia] [illegible]
[illegible] ut [illegible] [illegible] no[n] [illegible] activ[us] [illegible]
[illegible] dicat [illegible] vo[?] [illegible]
[illegible] sic[ut] p[atet] [illegible] [illegible] sapor[is] [illegible]
[illegible] passio [illegible] d[e] differ[entia]
[illegible] sapor [illegible] [illegible]
causali [illegible] sapor [illegible] d[icitu]r [illegible] [illegible] diffiniri [illegible]
diffin[itio] [illegible] causal[is] d[icitu]r [illegible] complecta [illegible] diffiniri [illegible]
[illegible] effectum et [illegible] m[a]t[er]ial[e]s [illegible]
[illegible] Sexto s[e]c[un]d[u]m [illegible]
[illegible] e[st] [illegible] ad [illegible] s[e]c[un]d[u]m [illegible]
[illegible] et penetrab[i]l[e] d[icitu]r [illegible] e[st] [illegible] [illegible] q[uia] [illegible]
[illegible] s[e]c[un]d[u]m sapor [illegible] grossu[m] [illegible] p[atet] q[uia] [illegible]
e[st] passio [illegible] d[icitu]r [illegible] grosso [illegible]
[illegible] no[n] [illegible] quo[modo] poss[i]t [illegible] alia [illegible]
[illegible] Octavo s[e]c[un]d[u]m [illegible] e[st] p[ri]m[u]m effectu[m] sapor[is] [illegible]
e[st] [illegible] sine [illegible] et e[st] [illegible] [illegible]
e[st] p[ri]m[u]m effectu[m] sapor[is] [illegible] et e[st] [illegible] seu calor[e]
[illegible] [illegible] alt[er]a [illegible] [illegible] [illegible]
q[uia] diffin[itio]e sapor[is] d[icitu]r addi [illegible] [illegible] complet[e]
[illegible] sine [illegible] p[atet] q[uia] diffin[itio]e causali [illegible]
d[icitu]r [illegible] effect[us] [illegible] ut e[st]
Nono s[e]c[un]d[u]m diffin[itio]e [illegible] passio no[n] d[icitu]r capi ut e[st] [illegible]
[illegible] s[e]c[un]d[u]m [illegible] [illegible] capi [illegible]
[illegible] passio no[n] d[icitu]r capi [illegible]
seu [illegible] put e[st] [illegible] diffin[itio] [illegible]
[illegible] d[icitu]r capi ut e[st] [illegible] quali[ter] supponet[ur] [illegible]

[illegible] e[st] alterari [illegible] alt[er]ab[i]l[e] [illegible] d[ic]ta [illegible]
[illegible] p[atet] diffin[itio] sapor[is] sic [illegible] Sapor e[st] passio [illegible]
[illegible] ad [illegible] [illegible] calor[e] [illegible] alt[er]a
[illegible] ad [illegible] [illegible] passio [illegible]
diffin[itio]e [illegible] for[m]a[m] [illegible] sapor[is]
[illegible] e[st] q[uod] [illegible] e[st] for[m]a [illegible] ad [illegible]
[illegible] ymaginatio[n]e [illegible] Sc[un]do [illegible] q[uod] d[icitu]r [illegible]
[illegible] sapor[is] [illegible] q[uod] d[icitu]r [illegible]
[illegible] effect[us] [illegible] sapor[is] [illegible]
[illegible] effectivas sapor[is] Q[ua]rto [illegible] q[uod] d[icitu]r [illegible]
[illegible] effect[us] [illegible]
sapor[is] Q[uin]to [illegible] q[uod] d[icitu]r alt[er]ativa [illegible] [illegible]
[illegible] sapor[is] q[ui]a ad [illegible] sapor ordinat[ur] [illegible] ut [illegible]
[illegible] d[e] potentia gustabili ad
[illegible] gustandi [illegible] de anima Quintu[m] adaptando [illegible]

p[ri]ma [illegible] q[uod] diffin[itio] sapor[is]
[illegible] abaysele [illegible]

[illegible] q[uod] sonat [illegible] no[n] e[st] [illegible] ut [illegible]
[illegible] q[uia] [illegible] diffin[itio] [illegible] no[n] [illegible]
[illegible] sapor[is] [illegible] [illegible] de anima
[illegible] Sc[un]do [illegible] diffin[itio] [illegible]
no[n] e[st] [illegible] ut [illegible] diffin[itio] sapor[is] [illegible] no[n]
diffin[itio] [illegible] T[er]tio [illegible] diffin[itio] [illegible]
[illegible] sic[ut] e[st] [illegible] art[iculu]s [illegible] diffin[itio]
[illegible] sapor [illegible] diffin[itio] [illegible]
[illegible] diffin[itio] [illegible] diffin[itio]
causal[is] sapor[is] [illegible] diffin[itio]
[illegible] sic[ut] [illegible]
[illegible] diffin[itio]e sapor[is] ita [illegible] diffin[itio]e odor[is]
[illegible] odor[e] passio [illegible] [illegible]
[illegible] alt[er]ativa [illegible] [illegible]
diffin[itio] [illegible] odor[is] et [illegible] sic[ut] diffin[itio]
sapor[is] declarata e[st] [illegible] de anima [illegible] Quintu[m] adaptando [illegible]
s[i]t [illegible] q[uod] [illegible]
[illegible] e[st] [illegible] [illegible]
[illegible] in yeme [illegible] in estate s[i]t maior [illegible]
[illegible] seu medij [illegible] yeme [illegible] [illegible]
[illegible] ad [illegible] [illegible] diffin[itio]
[illegible] quia [illegible] e[st] [illegible] calor[is] [illegible]
[illegible] Sc[un]do [illegible] calor [illegible]
seu calor [illegible] [illegible] [illegible]
[illegible] calor [illegible] calor medij [illegible]
[illegible] [illegible] T[er]tio [illegible] q[uod] [illegible]
[illegible] estate [illegible] [illegible] q[uod] [illegible]
[illegible] calor [illegible]

et fiat comedere calorem naturalem durans scilicet consumendo humiditatem
quod tunc calor naturalis subiectum quo consumpto sic putrefactio
a quo carnes [illegible] naturalis et in natura debeat perfundi
sic in yeme non est tantus calor medius nec tanta apertio
pororum et cessante ista causa putrefactionis cessat putrefactio
Secundum consequentia quare mare est salsum et unde generetur
salsedo maris dicit primo quod causa est quia aque maris [illegible]
sunt terrestres a multis adustis comparatione [illegible]
maris insurgit amaritudo Secundo dicit quod partes subtiles [illegible]
nota [illegible] partes subtiles humiditate evaporant et consumuntur
[illegible] aqua terrestris et multum grossa et salsa Secundo
[illegible] pluvia descendit videtur descendere quia evaporationes
terrestres que descendunt prius [illegible] et commiscentur aquis
maris et causa salsedo aque Tertio consequentia quare
pluvia est salsa [illegible]
videndi ad tertium consequentia Quarto consequentia quare [illegible]
[illegible] concupiscunt appetitum comedendi [illegible]
[illegible] stomachi non impedita [illegible]
[illegible]
[illegible]
et [illegible] malis humoribus [illegible]
stomachi adherentes [illegible] appetitum comedendi [illegible]
[illegible] stomachi et [illegible]
[illegible] et indigesta adherentes stomacho
impediunt calorem naturalem stomachi et [illegible] appetitum [illegible]
[illegible] approximat [illegible] dicit quod [illegible]
intelligit quod solum [illegible] est differentia quantitatis [illegible]
[illegible] non est [illegible]
[illegible] dicit [illegible] quod [illegible] differentia quantitatis [illegible]
non est ad [illegible] dicit quod [illegible] voluit [illegible]
[illegible] actionis [illegible]
[illegible]
[illegible] effectus [illegible]
ut [illegible] civitatis [illegible] mente [illegible] scilicet [illegible]
[illegible] saporis [illegible]
[illegible] dicit quod [illegible] saporis [illegible]
[illegible] alteratione et [illegible]
[illegible] quod [illegible] sapor non [illegible] alterat
[illegible] seu [illegible] gustus [illegible] sufficit quod [illegible]
[illegible] gustus [illegible]
[illegible] dicit quod [illegible] gustus [illegible]

Et [illegible] dicit [illegible] non est alteratio [illegible] alteratione
[illegible] quod sit partes [illegible] est alteratio [illegible]
[illegible]
[illegible] assensu alterius [illegible] allegat
[illegible] quod [illegible] est alteratio dicit quod
[illegible]
[illegible] non est [illegible]
[illegible] alterius [illegible]
[illegible] alteratione [illegible] dicit quod [illegible]
[illegible] allegata [illegible]
[illegible]
odoris et [illegible] quod non [illegible]
Sequitur quod [illegible] corpora [illegible] tanto [illegible]
[illegible] corpora [illegible]
[illegible] odoris [illegible]
sic [illegible] odoris [illegible]
[illegible] sequitur quod in aere vel in aqua non possent percipi odores
[illegible] sequitur quod odores non possent [illegible]
[illegible]
[illegible] in aqua [illegible]
[illegible] in aqua [illegible] percipi odores [illegible]
[illegible] odoris videtur
[illegible] seu [illegible] non possunt
percipi [illegible] sequitur quod [illegible] metallorum [illegible]
[illegible] odores [illegible]
[illegible] maiore [illegible] magna [illegible]
[illegible] odoris [illegible] odor est passio [illegible]
[illegible] odoris [illegible]
[illegible] odor et sapor [illegible]
[illegible] sapor est passio
[illegible] odor [illegible]
[illegible] odoris [illegible]
[illegible] et [illegible]
[illegible] videtur [illegible] vigere
[illegible] odorem et [illegible]
[illegible]
[illegible] odores [illegible]
[illegible] odoris [illegible]
[illegible] libro [illegible] de sensu [illegible] odor [illegible]
[illegible] odor est passio [illegible] alteratio [illegible]
[illegible] differentia [illegible] quod [illegible]
[illegible] odoris [illegible] dicit quod odor est passio [illegible]
[illegible]

extra movebitur qualitas. Circa adoratum [illegible] sit quaestio [illegible]
utrum [illegible] quod duplex est odor scilicet realis et spiritualis. Realis est qui
[illegible] [illegible] alterativa olfactus disponens ad actum [illegible]
odor inherens corpori reali odorifero vel similari evaporatio
a corpore odorifero de facto multiplicato. Sed spiritualis [illegible]
aliud quam [illegible] multi ab odore reali non differens [illegible]
fero sed medio seu organo olfactus [illegible] odoris
realis. Secundo notandum ad quaestionem [illegible] utrum [illegible] titulus
[illegible] est [illegible] de odore reali et non spirituali. Tertio notandum
duplex est odor realis quidam est conveniens seu [illegible] admittibilis
[illegible] et non habet admittibilis [illegible] ut odor [illegible]
[illegible] ut odor rosarum liliorum etc. Quarto notandum [illegible]
quod multi [illegible] dicunt [illegible] odores [illegible] convenientes admittibiles
et [illegible] odores non convenientes admittibiles. Primo dicitur [illegible]
odores non convenientes admittibiles sunt delectabiles [illegible] aut [illegible]
[illegible] odores convenientes admittibiles non sunt delectabiles [illegible]
ut [illegible] nisi [illegible] solido [illegible] famulis vel [illegible]
[illegible] quando [illegible] vel [illegible]. Secundo dicitur quod odores convenientes
admittibiles [illegible] quibus [illegible] sed odores non convenientes
admittibiles [illegible] [illegible] [illegible] quod [illegible]
Tertio dicitur [illegible] similiter quod odores convenientes [illegible]
[illegible] sive [illegible] sive [illegible] [illegible] sive quod [illegible]
[illegible] sive [illegible] [illegible] ad convenientes [illegible]
et ad [illegible] [illegible]. Sed odor [illegible] convenientes [illegible]
[illegible] [illegible] sanitatem et [illegible] odores [illegible]
[illegible] et [illegible] quos [illegible] odorem [illegible] quia [illegible]
[illegible] [illegible] [illegible] [illegible] odores [illegible]
[illegible] ad [illegible] [illegible] [illegible]
[illegible] [illegible] notandum [illegible] [illegible] ut odores [illegible]
sapores [illegible] quod [illegible] quia [illegible] [illegible] [illegible]
[illegible] sapor [illegible] odor [illegible] non [illegible]
est [illegible] quod [illegible] odor dulcis quod [illegible] sapor [illegible]
ut [illegible] stat quod odor dulcis sit sapor amarus [illegible]
[illegible] sic [illegible] [illegible] sicut sapor est passio [illegible]
[illegible] [illegible] [illegible] [illegible] sicut sit [illegible] odor [illegible]
[illegible] [illegible] [illegible] [illegible] ad [illegible] sunt ordinati [illegible]
sapores quam odores sunt [illegible] ordinati ut [illegible]
ad [illegible] vel [illegible] et [illegible] [illegible] ut [illegible]
[illegible] [illegible] [illegible]. Sexto notandum [illegible]
duplex est [illegible] [illegible] est [illegible] puri et elementalis [illegible]
[illegible] [illegible] puri est [illegible] [illegible] est [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] est [illegible] quod est [illegible] adoleo

[illegible] est [illegible] [illegible] non est [illegible] adoleo [illegible] [illegible]
[illegible] [illegible] sit [illegible] odoris [illegible] [illegible] [illegible]
[illegible] [illegible] de [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] de odore reali vel spirituali [illegible]
[illegible] quod [illegible] rei [illegible] nullum [illegible] [illegible] est odoriferum
[illegible] participat odorem [illegible] odor [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] aut [illegible]
[illegible] non est [illegible] [illegible] elementis [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] est [illegible] sapor et quod odor est passio [illegible]
[illegible] [illegible] de odore [illegible] [illegible] nullum [illegible]
elementum est [illegible] seu [illegible] [illegible] satis [illegible] est [illegible]

Circa adoratum [illegible] sit
[illegible] [illegible] nullum [illegible]
[illegible] est [illegible] [illegible] odoris realis [illegible] quod sic sequeretur quod [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] ad [illegible] medium [illegible]
[illegible] [illegible] [illegible] nullum [illegible] [illegible] et [illegible] est [illegible]
odoris realis [illegible] sicut [illegible] quod [illegible] sequeretur quod elementum [illegible] [illegible]
[illegible] et odoriferum [illegible] notandum odoris realis quod [illegible]
[illegible] [illegible] odoris spiritualis sicut [illegible] et [illegible] [illegible] [illegible]
[illegible] odoris realis [illegible] est [illegible] [illegible] adoleo aut [illegible] [illegible]
adoleo [illegible] quod odor est [illegible] [illegible] [illegible] quod [illegible] [illegible]
[illegible] [illegible] [illegible] non est [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] quod sit [illegible] [illegible] adoleo vel [illegible] [illegible]
adoleo [illegible] [illegible] [illegible] adoleo non est [illegible] [illegible]
odoris quod odor et sapor sunt [illegible] distincte [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] adoleo est [illegible] [illegible] saporis [illegible]
[illegible] non est [illegible] [illegible] odoris [illegible] est quod [illegible] [illegible] [illegible]
[illegible] quod [illegible] et dulcedo sunt [illegible] valde distincte [illegible]
[illegible] [illegible] [illegible] sicut de lacte [illegible] [illegible] [illegible]
[illegible] [illegible] quod [illegible] odorifera multum [illegible] vel [illegible]
[illegible] [illegible] odores [illegible] [illegible] ad [illegible] de [illegible]
emittunt odores fortes [illegible] de rosa [illegible] [illegible] [illegible] aromaticis
[illegible] [illegible] [illegible] odoris non est [illegible] [illegible] sicut [illegible]
[illegible] adoleo [illegible] quod [illegible] [illegible] [illegible] [illegible]
[illegible] odor [illegible] [illegible] [illegible] [illegible] sit [illegible] quod
est [illegible] [illegible] [illegible] odore [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] odoris est [illegible] [illegible] [illegible]
[illegible] adoleo [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

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odoris realis dicitur esse aliquid vel impressio sensibilis a odorato vel
impressio specialis a odorato [illegible] dicitur esse impressio [illegible]
odorato [illegible] ut impressio specialis [illegible] sequitur
[illegible] odoris realis esse impressio specialis [illegible]
[illegible] sit non possibilis saluti bono [illegible]
odoris sapientem ut sapor et odor [illegible] una [illegible]
vel saltem [illegible]
[illegible] passio sensibilis [illegible]
[illegible] quod sit odor diffinitur. Primo inconvenienda [illegible]
[illegible] odor [illegible] realis [illegible]
[illegible] odore reali. Et diffinitur [illegible]
[illegible] passio [illegible] caloris naturalis [illegible]
[illegible]

[illegible]

non mutato gradu sed siccitatis [illegible] ut dictum est odorifera
non dicit esse simpliciter sicca sed per comparationem ad odorem humiditas proportionata
allegata [illegible] universali [illegible] questio

Utrum aliquis bonus odor
conferat ad cerebri sanitatem

Et arguitur quod non quia odor non agit in cerebrum ergo non confert ad cerebri
sanitatem [illegible] non confert ad cerebri sanitatem [illegible]
[illegible] quod odor est qualitas [illegible] non est [illegible]
quod activarum [illegible] qualitates active sunt caliditas [illegible] frigiditas
humiditas et siccitas. Secundo arguitur odores sunt frigefacti [illegible] non
calefacti ergo non conferunt ad cerebri sanitatem [illegible] cerebrum
sit frigidum [illegible] aliquod calefactivum ad sanitatem conferre
ad [illegible] additum [illegible] sanitatem [illegible] patet quod odores
multiplicantur ad similitudinem evaporationibus [illegible] frigide et humide
et per consequens [illegible] evaporationibus [illegible] frigidi
et humidi sunt frigefacti et non calefacti. Tertio sic arguitur sed
secundum quod est maxime [illegible] quod odores multiplicantur
usque ad cerebrum [illegible] non [illegible] odores [illegible] ad cerebri
sanitatem [illegible] ratio notetur [illegible] quod [illegible]
[illegible] odores multiplicantur ad organum olfactus et per consequens [illegible]
non sentiunt [illegible] sensibile positum supra sensum non sentitur [illegible]
Quarto [illegible] quod [illegible] odores plus conferunt ad cerebri
sanitatem et fortissimi odores maxime conferunt ad [illegible]
[illegible] odores valde [illegible] ledunt olfactum
[illegible] quod [illegible] ipsum [illegible]
[illegible] simpliciter ad [illegible] magis ad
maximum [illegible] Quinto [illegible] quod odores
calefactivi [illegible] sanitatem frigiditatem cerebri [illegible]
[illegible] odores conferunt ad cerebri sanitatem [illegible] ratio notetur [illegible]
aliqui odores sunt [illegible] et per consequens non conferunt ad cerebri
sanitatem [illegible] quod non sunt calefactivi ut notum est. Consequentia [illegible]
[illegible] quod odores mali [illegible] conferunt ad cerebri sanitatem [illegible]
[illegible] quod [illegible] non [illegible] mali odores [illegible] sunt calefactivi
Sexto [illegible] de odoribus
[illegible] quibus [illegible] sunt ut [illegible]
[illegible] non [illegible] dimissione [illegible]
[illegible] herbis [illegible] ab [illegible]
[illegible] quod [illegible] non [illegible] ut [illegible]
bruta non conferunt [illegible] ad cerebri sanitatem [illegible]
[illegible] dicit [illegible] quod boni odores [illegible]
[illegible] maxime [illegible] cerebri et [illegible]
[illegible] ad alia animalia [illegible]
[illegible] animalium brutorum [illegible]

38 [illegible] de sensu [illegible] ad [illegible] bonus
boni odores conferunt ad cerebri sanitatem in [illegible]

Utrum [illegible] est notandum [illegible]
odores [illegible] adolescentia [illegible]
[illegible] naturalem [illegible] debitam temperantiam
[illegible] odoribus ad cerebrum
lapsum a sua debita dispositione [illegible] cerebrum sit lapsum
[illegible] sua dispositione [illegible] odor est [illegible]
reformatio ipsius cerebri ad suam debitam temperantiam et [illegible]
[illegible] odores [illegible] cerebrum sit lapsum
a sua dispositione naturali et sic odor [illegible] odor temperatus
[illegible] est odor lilii vel florum [illegible] in nimia quantitate [illegible]
[illegible] est odor bonus [illegible] temperantiam cerebri
[illegible] odor liliorum vel aliorum florum in nimia magna
quantitate non [illegible] reformat cerebrum lapsum a sua
dispositione debita sed ipsum magis indisponit. Unde [illegible]
[illegible] et sic [illegible] odor [illegible] ad nos
Secundo [illegible] quod [illegible] boni odores conferunt [illegible]
[illegible] duplex de cerebro sano [illegible] de
cerebro egro sive infirmo. De sano [illegible]
[illegible] ad [illegible] cerebri sanitatem [illegible]
sanitatem [illegible] conferunt ad sanitatem ipsius [illegible]
[illegible] de cerebro egro [illegible] per [illegible]
boni odores conferunt [illegible] sive reformationem
cerebri ad pristinam sanitatem sive ad sanitatem [illegible]
[illegible] notandum quod [illegible] cerebrum [illegible]
[illegible] est [illegible] sicut [illegible] cerebrum sit frigidum [illegible]
cerebrum est [illegible] et per consequens est calidum [illegible] saltem [illegible] naturaliter
dispositum [illegible] comparative sive relative [illegible] ad alia
membra [illegible] animalis [illegible] in animalia [illegible] membra
principalia [illegible] cor [illegible] cerebrum [illegible] genitalia vel
[illegible] et in [illegible] animali [illegible] membrum
cerebrum est [illegible] calidum saltem [illegible] naturaliter dispositum. Quarto
notandum [illegible] de cerebro frigido et male
disposito et de odoribus bonis [illegible] et [illegible]
[illegible] cerebrum ut sit [illegible] quod cerebrum
sit indispositum sive lapsum a suo debito [illegible]
[illegible] frigiditatem [illegible] odores [illegible]
[illegible] cerebri [illegible] cerebrum sit lapsum [illegible]
formalem reducere ad suam temperantiam [illegible] sua naturalis
et debita [illegible] seu dispositio. Quinto notandum quod [illegible]
odor [illegible] est calefactivus [illegible]
[illegible] quod [illegible] odor [illegible] calefactivus [illegible]
[illegible] est calefactiva [illegible] suo modo

[illegible]

[illegible]

usque ad organum olfactus et propter hoc non sentitur quamvis [illegible]
fumalis evaporatio potest tamen super sensorium immediate posita [illegible]
[illegible] non facit sensationem ut dicitur secundo de anima. Secundo sciendum quod odor multum
amplius realiter multiplicatur in medio [illegible] scilicet quod in medio aere odor
non possit multiplicari quam [illegible] eius complexio quamvis sit [illegible]
fumalis evaporatio facta per [illegible] aque [illegible]
sic non odores corporum odoriferorum percipiuntur ad valde longam
distantiam ymmo ad tantam quod fumales evaporationes ab illis
corporibus resolute non possunt extendi [illegible] extendi [illegible]
[illegible] corpora omnino [illegible] fumales evaporationes resolventur
[illegible] odor non [illegible] realiter [illegible] sicut super dictum est quia non
est propter complexionem quantitatis [illegible] super secundo de anima
ubi recitat de quodam bello magno troyano [illegible]
[illegible] venerunt vultures [illegible] multis diebus [illegible]
de quo odor [illegible] undique [illegible] corpora odor
[illegible] quod si [illegible] interfectorum in bello [illegible] fuissent
fumus illis resoluta et [illegible] non potuisset [illegible] ad tantam
distantiam fuisse extensa. Tertio sciendum quod odor [illegible]
corporis odoriferi sicut balsamum replet magnam domum [illegible]
[illegible] fumus non possit [illegible]
domum [illegible] quod fumalis evaporatio [illegible] non [illegible]
[illegible] corporis odoriferi valde non [illegible]
Quarto sciendum quod [illegible] penetrativa corporum [illegible]
[illegible] corporis odoriferi [illegible]
sicut fumales evaporationes sunt quedam corpora [illegible]
penetrare [illegible] dicitur quod aer [illegible]
quod [illegible] motu locali [illegible]
[illegible] non obstantibus corporibus [illegible]
videntur [illegible] una [illegible] media [illegible]
[illegible] magis quam [illegible] corpus [illegible]
multiplicatur realiter [illegible] ad fumalibus evaporationibus [illegible]
[illegible] corporum [illegible] odor
[illegible] ad [illegible] odoris [illegible] magna distantia
[illegible] quantitatis [illegible]
[illegible] et [illegible]
evaporationes nec plus [illegible] corporis [illegible]
[illegible] non [illegible] vel [illegible]
[illegible] magis [illegible]
[illegible] Secundo dico quod non [illegible]
quod distantia odor multiplicatur [illegible] quod ad tantam multiplicatur
[illegible] complexio quantitatis [illegible] de anima [illegible]

[illegible] Quinto dico quod odor multiplicatur cum fumalibus evaporationibus
resolutis a corporibus odoriferis ad adequatam distantiam et quod ab
fumalibus evaporationibus multiplicatur odor [illegible]
corporis [illegible] Sexto dico [illegible] corpore [illegible]
[illegible] quod odor multiplicatur realiter usque ad organum olfactus [illegible]
sentiatur in [illegible] organo et [illegible] quod non [illegible] posita super sensorium
non facit sensationem et non sentitur [illegible] allegatum est secundo de anima [illegible]
[illegible] Septimo dico quod odor realiter [illegible] usque ad organum
olfactus et [illegible] non sentiretur [illegible]
[illegible] quod [illegible] dico quod [illegible] organum
sit odor [illegible] odor [illegible] organo [illegible]
[illegible] non sentitur [illegible] non [illegible]
sicut [illegible] tactu [illegible] non [illegible] corporis [illegible]
[illegible] caliditatis organum [illegible] dico quod [illegible]
[illegible] sit odor [illegible] sit odor [illegible]
[illegible] olfactus [illegible] Octavo dico quod si
odor [illegible] usque ad organum olfactus [illegible]
[illegible] odor realiter [illegible] organum [illegible]
Nono dico [illegible] quantitatis [illegible]
[illegible] odoris venit ad organum olfactus [illegible] odor
[illegible] sanitatem. Dubitatur [illegible] dico quod [illegible] non
odor [illegible] sanitatem [illegible] quantitatem [illegible]
[illegible] calefactio [illegible] odor [illegible] calefactio [illegible]
[illegible] sanitatem [illegible] dico quod [illegible]
[illegible] non [illegible] odor [illegible] sanitatem [illegible]
[illegible] sonus [illegible] non [illegible] soni [illegible]
non [illegible] usque ad organum [illegible]
[illegible] sanitatem [illegible] caput [illegible]
[illegible] odoris [illegible] delectationem [illegible]
[illegible] sanitatem
[illegible] sanitatem [illegible] medici [illegible]
[illegible] medicina [illegible]
[illegible] odoris [illegible]
[illegible] et [illegible]
[illegible] boni odoris [illegible] sanitatis [illegible]
[illegible] calefactio
[illegible] motus localis [illegible]
[illegible] Quinto ad [illegible]
[illegible] que [illegible]
[illegible] quibus [illegible]
[illegible] non [illegible] non
[illegible] evaporantur [illegible]

fumi [illegible] qui pervenit et elevatur usque ad organum olfactus
et ponitur super illud organum non sensibile positum super sensum [illegible]
Et ideo [illegible] pluribus convenienter [illegible] sicut convenit [illegible]
ideo consistentia super sensum posito. Et si fuerit [illegible]
quod est positum super organum [illegible] sentitur. Secundo [illegible]
anhelitum hominis in ieiunio [illegible] est magis vetatus quam alterius
hominis non ieiuni. Et ratio est quia [illegible] est ita [illegible]
quia [illegible] ieiunus [illegible] stomachus evacuatus [illegible]
[illegible] magis fumosa [illegible] difficilis digestionis [illegible]
magis fumosa calor naturalis agit resolvendo et elevando [illegible]
[illegible] materia [illegible] que est fetida et putrida et consequenter fumi
resoluti sunt vetati qui convertuntur [illegible] et aer inspiratus
[illegible] aer [illegible] inspiratus anhelitum appellatur et ideo inducit
anhelitum [illegible] hominis vetatus. Tertio [illegible] quare [illegible]
seu [illegible] naribus [illegible] ut [illegible] plurimum habent malum anhelitum
quia [illegible] deputatum ad [illegible] super [illegible]
[illegible] magis [illegible] et depressis [illegible]
[illegible] membro non [illegible] ita [illegible]
[illegible] naribus aquilinis [illegible] materia [illegible]
[illegible] est [illegible] et fumosa quia non est facilis digestibilis [illegible]
putrescit et inde resolvuntur fumi vetati [illegible]
[illegible] quae anhelitum [illegible] indicat vetatum. Tertio [illegible]
quae anhelitum [illegible] est vetatum [illegible]
sicut [illegible]. Quarto [illegible] quae [illegible] non [illegible] barba
[illegible] et [illegible] non [illegible] barba [illegible]
[illegible] quia [illegible] sicut [illegible] equo [illegible]
calore [illegible] ad [illegible] superfluitates ultime digestionis
[illegible] et loco [illegible] materia [illegible] aliis [illegible]
superfluitatibus. Et quando [illegible] quia [illegible] imberbes
[illegible] quia [illegible] sunt imberbes [illegible] caloris
[illegible] superfluitates ultime digestionis [illegible] ut sunt [illegible]
[illegible] sunt viri imberbes [illegible]
caloris [illegible] quia calor [illegible] superfluitates [illegible] digestionis
quibus [illegible] sublimat et [illegible] sunt quia [illegible]
[illegible] evaporantes. Quinto [illegible] quae [illegible] non
[illegible] quia non indiget [illegible] in aliis animalibus [illegible] et [illegible]
[illegible] vitales [illegible] in avibus [illegible] non [illegible]

[illegible] adiuvatur [illegible] non est [illegible]
[illegible] odor non [illegible]

[illegible] actione [illegible] actio producta [illegible] inter [illegible]
[illegible] sensatione [illegible] non est [illegible] actio quia sunt [illegible]
[illegible] actionem passionem [illegible]
[illegible] odoribus [illegible] et [illegible]
[illegible] sunt calefactum [illegible] digestum [illegible]

odor est calefactus et [illegible] superius [illegible] sunt
[illegible] quia odor [illegible] calefacit [illegible]
[illegible] magna [illegible] venta
[illegible] et [illegible] super organum
olfactus [illegible] odor qui [illegible] super organum
olfactus non sentitur [illegible] odor [illegible]
[illegible] vel [illegible] Tertio [illegible] quae [illegible]
[illegible] quia [illegible] non [illegible]
[illegible] Quarto [illegible] adpro[illegible]
[illegible] odores boni sunt [illegible] non [illegible] fuerit
[illegible] complexionati [illegible] Quinto [illegible]
quia odores mali [illegible] conferunt [illegible] sanitatem
[illegible] quia sunt [illegible] non [illegible] conferunt ad
[illegible] sanitatem [illegible] Sexto [illegible] et ultimo [illegible]
quia [illegible] non consequentibus [illegible] approbatum [illegible]
[illegible] non [illegible] bruta [illegible] dicit quia [illegible]
[illegible] odores bonos [illegible] sanitatem [illegible]
[illegible] ad [illegible] respectu ad alia animalia [illegible] quia
[illegible] inter alia animalia est [illegible] et multa
[illegible] ordinata ad bonum et [illegible] non conferre
[illegible] alia animalia [illegible]
allegata est [illegible] universale [illegible]

Utrum homo inter cetera animalia
debeat habere olfactum peiorem
Et arguitur quod homo inter cetera animalia [illegible] seu peiorem
nobiliorem et perfectiorem [illegible] nobiliora mentibus
[illegible] operationes vitales [illegible]
[illegible] nobiliorem inter cetera animalia quia organum olfactus
vitales [illegible] operationes
[illegible] sicut [illegible]
[illegible] homo inter cetera animalia [illegible] discernit [illegible]
[illegible] odoribus seu odorabilibus [illegible] olfactum meliorem
[illegible] non [illegible] olfactum [illegible]
[illegible] homo [illegible] discernit [illegible] inter cetera animalia [illegible]
[illegible] odores [illegible] homo inter cetera animalia plus
[illegible] olfactum meliorem [illegible]
[illegible] odores non [illegible] et consequentibus
[illegible] animalia bruta [illegible] non [illegible]
[illegible] non [illegible] odores [illegible]
[illegible] inter cetera animalia [illegible] meliorem [illegible] olfactum

[illegible]

[illegible]

Quinto adducit aliud pro-
[illegible] hoc ita attestando boni-
tate et maliciam [illegible] pro non [illegible] nobili [illegible] quia hoc in-
ter cetera animalia non habet olfactum meliorem sed peiorem primo [illegible]
[illegible] hoc est quod quia hoc inter cetera animalia magis tardatur [illegible]
in nutrimento [illegible] quod [illegible] quam [illegible] propter [illegible] quod [illegible] me-
lior et peior primo [illegible] dicto [illegible] patet quia ad animalia
[illegible] calvities et pilositas [illegible] movent [illegible]
[illegible] distantiam ab odoribus quam homines. Secundo [illegible]
ad animalia [illegible] olfactum [illegible] odores
[illegible] quibus homines olfactum [illegible] non [illegible]
[illegible] Et [illegible] assignat Aristoteles quia hoc inter cetera
animalia [illegible] sui corporis plus habundat de cerebro
quam aliud animal [illegible] cerebrum est nature frigide et
[illegible] odor calidus et siccus est [illegible] quam [illegible]
[illegible] quia hoc inter cetera animalia non [illegible] olfactum meliorem
Secunda quod attestando bonitati et maliciam [illegible] non [illegible]
dicto [illegible] quia hoc inter cetera animalia [illegible]
olfactum meliorem patet quia hoc magis [illegible] odores
[illegible] et ponendo [illegible] quam [illegible]
satis [illegible] est [illegible] plures [illegible] odores [illegible]
[illegible] quia [illegible] melior
aut peior [illegible] adductas [illegible]
[illegible] illud [illegible] melior et nobilior [illegible]
[illegible] aliorum animalium [illegible] quam [illegible] aris-
Quinto adducit [illegible]
[illegible] quare homo
caput magis pilosum quam ad sua membra [illegible] recte
animalibus quibus [illegible] membra sunt pilosa [illegible] saltem
caput [illegible] possit quis querere quare homo [illegible] est magis
pilosum quam in aliis membris sui corporis. Minor [illegible] adqui-
[illegible] quod superfluitates [illegible] est [illegible] pilorum
[illegible] pili [illegible] Unde illud quod [illegible]
[illegible]
[illegible]
sunt distributa ad singula membra non ordinate [illegible]
[illegible] sibi [illegible] nisi [illegible] quandam similitudinem
[illegible] est magis grossa et [illegible]
[illegible] et [illegible] Secundo suppono [illegible]
pilis [illegible] efficientia et productiva pilorum saltem [illegible]
[illegible] calor ——— non [illegible] calor [illegible]
superfluitates in pilis et [illegible] Tertio suppono [illegible]
[illegible]

[illegible] quod sicut [illegible] de domo
[illegible] simul [illegible] ad [illegible] ascendunt et descendunt
[illegible] ita simul [illegible] et [illegible]
[illegible] caloris [illegible] ascendunt ad caput et [illegible]
capitis [illegible] in grossa [illegible]
[illegible] quod [illegible] caput [illegible] magis [illegible]
[illegible] pilorum [illegible] in aliis partibus [illegible] non
[illegible] partibus [illegible] pili
[illegible] magis habundat de aliis partibus [illegible] animalibus
[illegible] ubi ubique [illegible] pili quia de capitibus [illegible]
[illegible] non est [illegible] similiter quod hoc
[illegible] quam [illegible] non sunt alia animalia [illegible] de [illegible] animalibus
[illegible] superfluitates magis [illegible] corporis [illegible] quam
[illegible] Et de [illegible] pili [illegible] quod [illegible]
[illegible] sunt [illegible] et [illegible] sunt [illegible]
[illegible] et [illegible] superfluitates
[illegible] habundat calor [illegible] sufficiens [illegible]
[illegible] pilorum et [illegible] Secundum [illegible]
[illegible] plus calvescant de anteriori parte capitis
[illegible] quod [illegible] est [illegible] quod [illegible] calefaci
[illegible] capitis [illegible] porosum [illegible] quia homines
[illegible] calvescant [illegible] caloris [illegible] ante-
[illegible] parte capitis [illegible] porus [illegible]
[illegible] et [illegible] constringit et
[illegible] pori [illegible]
[illegible] simul [illegible] liberum [illegible]
[illegible] calvicies [illegible]
[illegible] in anteriori parte capitis quam [illegible] posteriori
[illegible] quod hoc est [illegible] quare
[illegible] plus calvescunt quam mulieres [illegible] quod
[illegible] caloris et [illegible]
[illegible] ita [illegible] mulieribus [illegible]
[illegible] et [illegible] quare
[illegible] appareat quod [illegible] moneat
[illegible] quod [illegible] mulieres [illegible] calidi
[illegible] elevati et [illegible] moneat
[illegible] inde [illegible] motum [illegible]
[illegible] quod [illegible] adducit [illegible]
[illegible] de [illegible]
[illegible] est quod hoc [illegible]
[illegible] quod [illegible] visu et [illegible]
[illegible] attendendo [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

tanquam de specie partes substantiales. Unum est unum totum per se et per [illegible]
[illegible] substantia que se [illegible] admixtione [illegible]
quod [illegible] est descriptio [illegible] quibus [illegible] quecumque [illegible]
[illegible] Secundo notandum quod [illegible]
[illegible] titulo [illegible] partibus [illegible]
[illegible] infinite partes [illegible]
[illegible] titulo [illegible]
[illegible] Tertio notandum quod [illegible]
[illegible] singulis [illegible]
[illegible] Quarto notandum quod [illegible]
[illegible] infinitas partes
[illegible]

[illegible] divisibile [illegible] infinitum [illegible] divisio [illegible]
[illegible] continuitas [illegible]
Secundo notandum [illegible] divisibile [illegible]
[illegible] Prima dispositio vocatur gradualis
[illegible] infinitas [illegible]
[illegible] gradualis [illegible]
[illegible] latitudinis gradualis [illegible] loquendo de mutatione
[illegible] corruptibilis [illegible]
[illegible] Tertio sciendum quod [illegible]
divisibile [illegible]
[illegible] methaphorice [illegible]
[illegible] partes [illegible] dispositio [illegible]
[illegible]

remanere ad corrupta [illegible] quod quantitas [illegible] per dividi [illegible]
medietas unica corporis remanentis [illegible] corrupta [illegible]
quare [illegible] contra [illegible] ita [illegible]
non intendit quantitas dividi addi [illegible] sui subiecti [illegible]
quare remanente [illegible] aut parte eius [illegible]
[illegible] quantas [illegible] ita [illegible] disponibile [illegible]
[illegible] remanente [illegible] non intendo negare [illegible]
[illegible] quantitates [illegible] sicut quantitates ut satis notum

Circa [illegible] adverte [illegible] est ponenda una [illegible]
[illegible] sit ponendo [illegible] infirmitatis [illegible]
[illegible] sit dare medium saporem [illegible]
[illegible] sapor [illegible] corrupta [illegible]
[illegible] non est dare medium [illegible]
sapor [illegible] non est dare medium saporem [illegible]
[illegible] non est divisibile in infinitas partes [illegible]
[illegible] non est [illegible] divisibilia [illegible]
[illegible]
[illegible]
[illegible]
[illegible] sapor [illegible] medium [illegible]
[illegible]
[illegible] medium saporem [illegible]
[illegible]
[illegible]
[illegible]
[illegible] non est dare medium saporem [illegible]
[illegible]
[illegible]
[illegible] non est dare medium [illegible]
sapor [illegible] ita [illegible] sufficiens [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] imaginando [illegible] sufficienti [illegible]

[illegible] ita [illegible] esse [illegible]
[illegible] imaginando videtur [illegible]
[illegible] quia [illegible] dato [illegible] videtur [illegible]
[illegible] sufficienti videtur
[illegible] Si [illegible]
[illegible] sufficienti non videtur sit [illegible]
[illegible]
[illegible]
[illegible]
[illegible] sufficienti [illegible]
[illegible] sufficiens sit [illegible] in tot partes [illegible]
[illegible] sufficiens videtur [illegible]
[illegible] partes [illegible]
[illegible] sensatio [illegible] sensatio
[illegible] sentit [illegible]
[illegible] sentit [illegible] sentit [illegible]
[illegible] sentit [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] in infinitas partes [illegible]
[illegible]
[illegible]
[illegible] sufficiens [illegible]
[illegible]
[illegible]
[illegible] sufficit [illegible] sufficiat
[illegible] non volo [illegible] proportionata

[illegible]

[illegible]

ar si sic ... [illegible]

[illegible]

S

[illegible]

[illegible]

[illegible]

qui unum gradum forte q[uam] palteator acquirit non p[ro]p[ter]
acquirit vel incipit acquirere q[uia] ad[huc] n[on] omnes sed incipiunt
acquirere. Contra novum [illegible] altitudinem totum per altitudinem que
ad suas partes quanti ab [illegible] mensura durum unius [illegible]
ad omnes dimensiones tam [illegible] scilicet tam longitudinis vel lati-
tudinem quam profunditatem [illegible] inter se sunt [illegible] duas
dimensiones secundum lineam et superficiem. Secundo sequitur quod alte-
ratio sit duarum [illegible] successio unius [illegible] forte [illegible]
quod non [illegible] per altitudinem [illegible] in equali distantia [illegible]
[illegible] alterantis scilicet una est altitudinis [illegible] quod
[illegible] successio ut alterantis salte[m] potentiam
agit in [illegible] in distans abeat [illegible] non [illegible]
sio [illegible] forte quam palteator acquirit [illegible]
lati nec [illegible] unum gradum [illegible] acquirit et alte-
[illegible] Contra ad [illegible] supposito quod in [illegible]
medius solum intendo loqui [illegible] nulla [illegible]
omnino [illegible] sit [illegible] non est possibile [illegible]
sed alterat[ur] [illegible] omnes [illegible] partes [illegible]
[illegible] alterante potentiam [illegible] totum [illegible]
[illegible] alterantis potentiam eque [illegible]
[illegible] centrale sicut [illegible] totam [illegible]
quod non est [illegible] possibile. Secunda quod possibile est [illegible] totum [illegible]
in omnes partes [illegible] totum simul alterari [illegible]
duas dimensiones secundum longitudinem et latitudinem [illegible]
et quod sit [illegible] corpus [illegible] totum planum [illegible]
formis intensive [illegible] eidem corpori [illegible]
[illegible] ita quod [illegible] est modicum [illegible] non est [illegible]
[illegible] superficie [illegible] linea [illegible] profundi [illegible]
[illegible] simul tota alterabitur [illegible]
[illegible] puta si [illegible]
[illegible] dimensionibus [illegible]
[illegible]
[illegible] simul alterari [illegible]
[illegible]
[illegible] alterante [illegible]
[illegible]
[illegible] partes [illegible]
[illegible]
[illegible] uniformiter calida [illegible]
[illegible] subito et instantanee [illegible] alterari [illegible]
[illegible] simul alterari

[illegible] partes [illegible] forte quam palteator acquirit [illegible]
quod ut suppositum [illegible] forte quam palteator acquirit [illegible]
[illegible] unum gradum [illegible] acquirere quod alte-
[illegible] omnes gradus acquirendi [illegible] alterationem [illegible]
[illegible] specialissime [illegible] omnes simul
acquirit [illegible] limitatas [illegible]
[illegible] non cognoscitur [illegible] producendo [illegible]
[illegible] et quod [illegible] prima [illegible]
cognoscas [illegible] producendam limitat [illegible]
[illegible] cognoscenda [illegible] successive [illegible]
[illegible] partem aliud [illegible] agit [illegible]
et [illegible] alio [illegible] Contra [illegible]
[illegible] qualitatem que est [illegible]
[illegible] sudores vertuntur in
[illegible] supponendo et addendo quod
[illegible] sudor [illegible] superflue digestionis
[illegible] sudor [illegible] humiditas [illegible]
[illegible] corporis non sufficienter digesta [illegible]
[illegible] humiditas non
[illegible] sudor [illegible] guttatim cadit et emittitur per
poros [illegible] sicut aqua non [illegible]
[illegible] guttatim cadit [illegible]
suppositum quod [illegible] humiditas [illegible] digesta [illegible]
[illegible] putredo [illegible]
supposito [illegible] diversitas [illegible] diges-
tionem ita quod aqua [illegible] et aqua [illegible]
[illegible] quod [illegible] aqua [illegible]
debile digestionem [illegible] quod calor est debilis [illegible] humidi-
tas. Unde [illegible] sudores non est bene digesta [illegible]
[illegible] sudores [illegible] redditur [illegible]
[illegible] sudor est [illegible] non [illegible]
[illegible] sudores
[illegible] sudor [illegible]
[illegible] sudores [illegible]
[illegible]
[illegible] debilitas
[illegible]
[illegible] aqua [illegible]
[illegible] calidi [illegible]
[illegible]
[illegible] tunc [illegible]
[illegible]

vox immixta caloribus suffocatur indiget aeris inspiratione
Secundo sciendum quod quemadmodum contingit meatus et vias per quas
quas fit aeris inspiratio aut respiratio aeris impedire
reumatibus vel aliquibus mediis vel materie fluxibilibus [illegible]
ad eos meatus et ibi congelatis. Tertio sciendum [illegible]
[illegible] est multa [illegible] circa [illegible] aeris [illegible]
possibilibus quod melius est [illegible] per ipsius [illegible] quod [illegible]
libera est quia audacia respirationis et inspirationis [illegible]
meatus et vie inspirationis et respirationis impedimenta
[illegible] et [illegible] impedimentum [illegible] et [illegible]
[illegible] sufficienter [illegible] sonus [illegible]
[illegible] est quando [illegible] ut [illegible] vocis [illegible]
viri [illegible] quod [illegible] quia mulieres [illegible] vocales [illegible]
[illegible] quod viri [illegible] mulieres [illegible] vocis [illegible]
[illegible] grossa [illegible] quando mulieres [illegible]
quod viri est [illegible] calidiores et [illegible]
[illegible] frigus [illegible] constringit et angustiat [illegible]
[illegible] colericam que vocis [illegible] grossas [illegible]
arterie grossitiem et amplitudinem. [illegible]
[illegible] quod [illegible] ita arguit [illegible]
[illegible] quod non est [illegible] quia [illegible] quod quando
[illegible] alteratio incipiat [illegible] alterari [illegible]
alteratio fit motus successivus [illegible] quia [illegible]
[illegible] quod alteratione totum alteratur fit simul quod tota [illegible]
subito [illegible] aut [illegible] quod [illegible]
incipiat alterari [illegible] quia adprobatur [illegible]
probatio [illegible] quod alteratione non [illegible] alteratio [illegible]
[illegible] simul [illegible] quod [illegible] quod [illegible]
[illegible] non [illegible] arguit [illegible] quod [illegible] simul [illegible]
sicut [illegible] instanti vel subito [illegible] quia [illegible]
[illegible] simul non [illegible] fit subito [illegible] ut [illegible]
[illegible] quia [illegible] quod [illegible] alteratio [illegible]
[illegible] conficiuntur [illegible]
fit ab alterante in [illegible] alterans non [illegible] ab alterante
quod [illegible] est [illegible] alterans [illegible]
[illegible] ut [illegible] dimensio fit [illegible] toto [illegible]
[illegible] agit [illegible] quod [illegible] alia [illegible] alterabilis [illegible]
[illegible] distantie [illegible] allegata [illegible]
[illegible] libro [illegible]

Incipit secundi libri de me[moria]

[illegible] utrum memoria sit solum preteritorum
sic quod non presentium et futurorum. Et arguitur quod non [illegible]
[illegible] quod sit presentium vel memoria est [illegible] quod [illegible]
[illegible] [illegible] presentia sunt [illegible]

memoria est presentium [illegible] quod [illegible] cognoverit forte et
[illegible] non [illegible] obliviscatur [illegible] fuerit [illegible] valde
debilis [illegible] sit [illegible] stante [illegible]
[illegible] memoriam et [illegible] rebus presentibus quod presentia [illegible]
[illegible] memoria est illorum que movent potentiam memorativam
[illegible] ad actum memorandi [illegible] presentia sunt [illegible] quia
fantasmata [illegible] in organo memorativo movent potentiam
memorativam ad actum memorandi quod [illegible]
[illegible] fantasmata [illegible] presentia [illegible]
[illegible] Certo fit [illegible] memoria est rei aliquibus cognite vel
fantasmatis representantis rei aliquibus cognite [illegible]
[illegible] memoria [illegible] quod memoria sit presentium [illegible]
[illegible] sufficienti [illegible] declaratur [illegible] stat quod res
[illegible] cognita [illegible] fantasmata representantia rei [illegible]
[illegible] sunt res presentes [illegible] Certo fit memoria
et illorum que aliquibus cognovimus et [illegible] obliti sumus
[illegible] [illegible] sufficit [illegible]
[illegible] quod stat quod res [illegible] cognovimus [illegible]
[illegible] presentiam [illegible] ut [illegible] Certo [illegible]
quod memoria sit futurorum [illegible] memoria est [illegible]
[illegible] futura sunt [illegible]
memorie [illegible] audivimus [illegible] quod [illegible] futurus
[illegible] Secundo [illegible] quod [illegible]
[illegible] memorie [illegible] memoria non est futurorum [illegible]
[illegible] potentiam nisi de facto [illegible] potentiam
[illegible] de facto [illegible] potentie [illegible] cognitio
[illegible] ut [illegible] est quod [illegible]
[illegible] de facto movet [illegible] potentiam memorativam
[illegible] autem
[illegible] libri de memoria et reminiscentia [illegible]
[illegible] est [illegible] nota [illegible]
[illegible] Nunc ad [illegible] est [illegible] quod
memoria [illegible] memorativam [illegible]
[illegible] ut [illegible] actu memorandi [illegible]
[illegible] memorativam [illegible]
[illegible] organo [illegible] absentia [illegible] Certo [illegible]
[illegible] fantasmatum [illegible]
Secundo notandum quod [illegible] seu dicitur
memoria [illegible] tamen [illegible] cognita
[illegible] fantasmate representante rei [illegible]
[illegible] tamen [illegible] actu memorandi [illegible]
[illegible] cognoscebat [illegible] ut [illegible] memorari [illegible]
[illegible] dicitur memoria [illegible]
actu [illegible] cognoscebat [illegible]

moria est nisi Tercio notandum quod ad memoriam exigitur
conversio ad [illegible] vel saltem ad hoc quod memoria operatur [illegible]
suum memorandi scilicet ad representata et ad representancia [illegible]
presentata Primum scilicet representativum est rerum aliarum cognitarum [illegible]
presentatum est fantasma reservatum in organo Tercium est actus
in quibus in quo res cognoscebam Ex primo [illegible] est quod re-
presentat rem aliam cognitam Secundum quod representat fantasma
sive speciem Tercium quod representat actum memorandi et quibus
in quo res alias cognoscebam Quantum ad articulum [illegible]
sit hec prima conclusio quod licet memoria sit de aliquibus [illegible]
memoria prius non sed tamen de rebus aliis cognitis me-
moria non solum est preteritorum [illegible] patet quia [illegible]
sub forma [illegible] Secunda quod sunt de aliquibus [illegible]
memoria etc non sed tamen de fantasmatibus sive speciebus
representantibus rem aliam cognitam memoria est non solum
preteritorum primo est presencium patet quia [illegible] actus memorandi
et [illegible] fantasmata sunt res permanentes [illegible]
permanencia i absencia cognitorum [illegible]
[illegible] possumus memorari [illegible]
sicut dicere cognita preteriti Tercia quod [illegible] memoria
sunt de aliquibus dicitur [illegible] memoria primo modo [illegible]
rebus aliis cognitis memoria est [illegible] futurorum patet quia [illegible]
[illegible] Quarta quod [illegible]
memoria sunt de aliquibus dicitur [illegible] memoria [illegible]
de actu mentis quo res alias cognoscebam et [illegible]
res cognoscebam memoria est solum preteritorum [illegible]
nec [illegible] patet quia [illegible] actus mentis [illegible]
alias cognoscebam et tempus in quo res cognoscebam [illegible]
[illegible] diccionem memorari [illegible]
[illegible] memorari [illegible]
actus cognoscendi sed videndi [illegible]
faciendi [illegible] actus mentis [illegible]
noscebam et tempus in quo res cognoscebam [illegible]
[illegible] memoria [illegible]
[illegible] Quantum ad tertium articulum [illegible]
[illegible] sunt [illegible] et male memorantur [illegible]
suppono [illegible] flexibile [illegible]
[illegible] difficile [illegible] saltem [illegible] impressionem [illegible]
[illegible] flexibiles [illegible] sicut aqua et lacte [illegible]
impressionem [illegible] figura sigilli [illegible] in aqua [illegible]
sigilli impressionem [illegible] figuram impressit [illegible]
sigillo [illegible] dolebitur [illegible] Secundo suppono [illegible]
et [illegible] quia habundat [illegible]

sunt [illegible] et [illegible] videtur quod [illegible]
[illegible] Tercio suppono quod [illegible] sollicitata [illegible]
[illegible] sollicitata [illegible]
[illegible] Quarto suppono quod magni motus [illegible]
[illegible]
[illegible] ne possit [illegible] singula [illegible] vagare [illegible]
[illegible] sive [illegible]
motus [illegible]
[illegible] fantasmata
[illegible] in pueris sit magnus motus [illegible]
[illegible] motus [illegible] turbacio [illegible]
[illegible] ne possit de singulis [illegible]
[illegible] loco [illegible] capitis [illegible]
[illegible] ad memoriam [illegible]
[illegible] capite [illegible]
[illegible] capitis [illegible] calida ut [illegible] calido
[illegible]
[illegible]
[illegible] pedibus [illegible] ut non [illegible]
[illegible] Tercio [illegible]
[illegible] sollicite et diligenter [illegible] cogitat [illegible]
[illegible] memoriam
[illegible] ad memoriam [illegible]
[illegible] sollicitata [illegible] memoria
[illegible] memorandi
[illegible] magna [illegible]
[illegible]
[illegible] memorativa [illegible]
[illegible] quiete [illegible] fan-
tasmata [illegible] memoria
[illegible] meditacio [illegible]
[illegible]
[illegible]
[illegible] ampliacio [illegible]
[illegible]
[illegible] ampliacio [illegible]
[illegible]
[illegible] allegata [illegible]
[illegible] questio

[illegible] memoria [illegible]
[illegible] passio [illegible]

[illegible] quod non [illegible] memoria [illegible]

ud pars quia [illegible] qui [illegible] abstrahitur et pars [illegible]
[illegible] [illegible] quam [illegible] ponitur [illegible] ponitur [illegible] [illegible]
[illegible] [illegible] et [illegible] secundo [illegible] memoria [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] pars [illegible] [illegible] qui memoria [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] capitis [illegible] [illegible] [illegible]
[illegible] [illegible] cellula [illegible] anterior [illegible] capitis [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] more dicitur [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] mediante [illegible] [illegible] [illegible] [illegible] [illegible] pars [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] movet [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] et [illegible] [illegible] [illegible] [illegible] memoriam [illegible] [illegible]
memoria [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] pars [illegible] [illegible] et [illegible] [illegible]

[illegible]

Justa quos [illegible] [illegible] [illegible]

[illegible]

[illegible] [illegible] quibus est principalissimus sive [illegible] sive [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] sit completa [illegible] et [illegible] iudicium [illegible] [illegible] [illegible]
[illegible] [illegible] interior sit completa [illegible] quae [illegible] [illegible]
[illegible] [illegible] [illegible] principaliter et [illegible] qui est [illegible] omnium [illegible]
[illegible] [illegible] [illegible] [illegible] attribuit [illegible] [illegible] [illegible]
[illegible] [illegible] sunt [illegible] duae virtutes interiores [illegible] ad
[illegible] [illegible] [illegible] est [illegible] [illegible] sive fantasia [illegible] [illegible]
quibus [illegible] iudicium [illegible] [illegible] [illegible] [illegible] [illegible] absentia
[illegible] virtus interior [illegible] est indicativa [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] officium [illegible] virtutis interioris
[illegible] [illegible] [illegible] absentia [illegible] et officium [illegible]
[illegible] [illegible] [illegible] seu [illegible] iudicium [illegible] [illegible]
[illegible] [illegible] [illegible] absentia [illegible] [illegible] [illegible]
[illegible] [illegible] est [illegible] [illegible] virtus interior [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible]

Si vero [illegible] [illegible]

[illegible]

[illegible]

[illegible] quemadmodum est [illegible] ipsi [illegible] conservatio [illegible]
dicitur [illegible] et [illegible] perfecte [illegible]
[illegible] memoria [illegible]
na seu actus meditandi est [illegible]
recipit [illegible]
[illegible]
[illegible]
quemadmodum [illegible] allegata [illegible]
ad [illegible] et [illegible]

Utrum memoria [illegible]
[illegible]
ad [illegible]

[illegible] memoria [illegible] intellectum [illegible]
meditam [illegible] universalibus et [illegible] memoria [illegible]
[illegible]

[illegible]

[illegible] ut [illegible]
[illegible] memoria [illegible] libro ubi dicit
quod memoria est [illegible]
quod memoria [illegible] intellectus [illegible]
[illegible] moventur [illegible]
[illegible] ad [illegible]
[illegible] dubitatio utrum
cessante actuali [illegible] rei [illegible] conservatur
[illegible] rei [illegible] actualem [illegible] rei [illegible]
quod non [illegible] quod intellectus [illegible] in actu intelligendi [illegible]
[illegible] saltem remanebit [illegible] intellectu [illegible]
[illegible] apud ipsum intellectum [illegible]
[illegible] rei [illegible] intellectum [illegible]

[illegible]

[illegible]

[illegible]

De ca[usa] [illegible] adpo[illegible] seu intellecte sp[irit]ualis

Quinto advertendum [illegible] sit [illegible] q[uod] [illegible] q[uia] e[st] [illegible] q[uod] [illegible]

[illegible] intell[igi]bile [illegible] intell[igi]bile sit [illegible]

[illegible] dicit[ur] [illegible] aliquos q[uod] [illegible]

[illegible] intell[igi]bile [illegible] intell[igi]bili[illegible] seu intentionis [illegible]

[illegible] [illegible] seu [illegible] [illegible]

[illegible] notitie [illegible] albedo [illegible]

[illegible] q[uod] [illegible] intell[igi]bili [illegible]

[illegible] intentia movet [illegible]

[illegible] notanda [illegible]

[illegible] q[uod] si pueri ab aliquo [illegible]

[illegible] ab alio [illegible] pueri audiunt clamo[rem] [illegible]

[illegible] ad [illegible]

[illegible] abaque [illegible] canes pueri [illegible]

[illegible] q[uod] canis [illegible]

[illegible]

[illegible]

[illegible] Secundo notandu[m] q[uod] pueri [illegible]

[illegible]

[illegible] canis [illegible] individualis

[illegible]

[illegible] q[uod] [illegible] radiis solaris aut sole [illegible]

[illegible] solaris [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] Tertio [illegible] q[uod] si [illegible]

[illegible] allegata [illegible]

[illegible] ad dubitationem [illegible]

Utrum iuvenes et senes [illegible] male memorie [illegible]

[illegible] q[uod] [illegible] bene memorativi [illegible]

[illegible]

[illegible] iuvenes dicuntur [illegible] bene memorativi [illegible]

[illegible] male memorativi

[illegible]

[illegible] antiquis [illegible]

[illegible] sicut [illegible] Secundo [illegible]

[illegible] intell[igi]bile [illegible] bone memorie [illegible] in iuvenibus [illegible] fortis attentio

[illegible] quia [illegible] sunt [illegible] q[uod] iuvenes [illegible]

[illegible] admirationem fortiter attendunt [illegible] ideo [illegible] iuvenes

[illegible] bone memorie [illegible] alii [illegible] bene

memorativi quia [illegible] q[uod] iuvenes sunt calidi [illegible]

[illegible] impressiones [illegible]

[illegible] Quinto [illegible] iuvenes [illegible]

[illegible] melius dispositus [illegible]

[illegible] melius dispositus quia [illegible]

[illegible] q[uod] iuvenes melius videt melius audiunt [illegible]

[illegible] descendendo [illegible] senes [illegible] meditatio [illegible]

[illegible] meditatio [illegible]

[illegible] ad bona[m] memoria[m] [illegible] senes dicuntur [illegible] bene memorativi

quia [illegible]

[illegible] senes sunt [illegible] [illegible] bene me-

morativi quia [illegible] q[uod] [illegible]

[illegible]

[illegible] impressio [illegible]

[illegible] q[uod] iuvenes et senes [illegible] male memorativi [illegible]

[illegible] iuvenes et senes [illegible] male memorativi [illegible]

[illegible] senes [illegible] bene memorativi

[illegible] iuvenibus [illegible] descendendo [illegible]

[illegible] q[uod] iuvenes sunt calidi [illegible] senes [illegible] frigidi [illegible]

[illegible] q[uod] iuvenes

senes sunt male memorativi [illegible] q[uod] iuvenes sunt

[illegible]

[illegible]

[illegible]

[illegible]

Quinto advertendu[m] [illegible] notandu[m] [illegible] q[uod] [illegible]

[illegible]

[illegible]

[illegible] senes [illegible]

[illegible] Secundo notandu[m] [illegible]

[illegible] male memorativi [illegible] senectutis

[illegible] male memorativi [illegible]

[illegible]

[illegible] notandu[m] [illegible] memorie [illegible]

[illegible]

[illegible] q[uod] [illegible]

attendi commotio organi [illegible] ipse iuvenis mobilis et fluxus
organi impressio speciei recepta non est bene retenta [illegible]
[illegible] quia motus organi et fluxus [illegible]
[illegible] etate [illegible] partes [illegible]
[illegible] partes [illegible]
[illegible] etate [illegible] decrementum
[illegible] decrementum et diminutionem sic in senibus
[illegible] quod bonitas vel malicia memorie [illegible]
[illegible] male memorie
[illegible] impressio speciei non est bene [illegible]
[illegible] frigidam et siccam [illegible] memorie
[illegible] impressio [illegible]
[illegible] quod bonitas vel malicia memorie [illegible]
[illegible]
bone memorie [illegible]
[illegible] in organo [illegible] frequenter meditantur [illegible]

[illegible]

Secundo senes [illegible] plures meditari [illegible]
memorativi quia frequentatio meditationis facit ad [illegible]
impressionem [illegible] Et [illegible] facit ad bonam
memoriam [illegible] iuvenes et senes [illegible]
[illegible] memorie [illegible]
[illegible] bone memorie [illegible]
[illegible] bone memorie
[illegible] bone memorie [illegible]
[illegible] in etate [illegible] et completa [illegible] etate
[illegible] iuventutis et senectutis [illegible] memorativi [illegible]
[illegible] plures [illegible] bone memorie [illegible]
[illegible] in augmento [illegible]
[illegible] plures [illegible] bone memorie
[illegible] ad senes [illegible]
[illegible] senes [illegible]

[illegible]

Dicitur quod licet e diuersitas spirituum & differencia [illegible]
quia fumi sunt subtiles & multi ascendentes [illegible]
mouentur tamen inde & propter corporis lenitatem aspectu
ascendere petere capitis partes superiores capitis [illegible]
[illegible] quod volat propter motus [illegible] fumorum eleuatorum
cerebrum & quia fumi eleuati ad caput sunt grossi [illegible]
[illegible] frigiditate quia multum ingrossantur et sunt [illegible]
[illegible] descendunt ad stomachum vel ad pectus vel etiam ad
pulmonem et tunc descensus [illegible] fumorum [illegible]
cadat [illegible] [illegible] sompni [illegible]
Ad vicesimum [illegible] dicitur quod omnis probantur [illegible]
articulo precedenti ultimam [illegible] videtur quod ipsa [illegible] allegata
mixta de contrariis admixtis oppositis & non [illegible]
[illegible] nec bonum & nichil [illegible] opponitur sicut [illegible]
opponitur malo sicut medium [illegible] propter id [illegible]
[illegible] Virtus est medium inter duo [illegible]
malorum quia virtus [illegible] virtus consistit in medio [illegible]
consistit [illegible] duo mala quorum utrumque bono opponitur
[illegible] medium [illegible] non dicit [illegible]
quod ipsa mixta [illegible] opposita [illegible] ut sit [illegible]
sic [illegible] in [illegible] [illegible]
[illegible]
[illegible] allegata [illegible]
[illegible] in 2o articulo

Utrum ad reminiscenciam requiritur
oblivio & non advertencia
Et arguitur quod non probando quod

ad reminiscenciam non requiritur oblivio quia sic [illegible] quod reminiscencia
[illegible] quia [illegible] adiscere [illegible]
[illegible] reminiscencia [illegible]
[illegible] [illegible] acquirere [illegible]
sunt oblivio et si [illegible] propter oblivio [illegible]
non [illegible] [illegible] Secundo sic [illegible]
[illegible] vel reminiscencia [illegible]
[illegible]
reminiscencia [illegible]
[illegible] oblivionem [illegible]
[illegible] medicandi [illegible] sic [illegible] reminiscencia
non e oblitum seu oblivione traditum [illegible] reminiscencia
non propter oblivio [illegible]
oblivio [illegible] reminiscencia [illegible] oblivione
traditum [illegible] manet [illegible] organo [illegible]

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[illegible] reminiscencia manet in organo [illegible] reminiscencia non
e oblivioni traditum [illegible] oblivio
[illegible] actus [illegible]
[illegible] [illegible]
[illegible] Tercio arguitur [illegible] quod
oblivio [illegible] advertencia [illegible] memoria [illegible]
[illegible] ad [illegible]
[illegible] actum cognitivum [illegible]
dat [illegible] medium [illegible] medio [illegible] oblivio [illegible]
actu [illegible] memoria [illegible] oblivio [illegible]
memoria [illegible] ad reminiscenciam Secundo arguitur ante quescionem
[illegible] quod memoria [illegible] oblita [illegible]
[illegible] memoranti [illegible] fuisset oblitum seu oblivioni
traditum [illegible] oblivio propter advertencia [illegible]
[illegible] memoria [illegible]
[illegible] advertencia [illegible]
[illegible] memorantur [illegible]
[illegible] advertencia [illegible]
non [illegible] oblivio [illegible] oblivio propter ad
memoriam [illegible] libro [illegible] ubi
[illegible] memoria & reminiscencia [illegible]
[illegible]
[illegible] oblitum [illegible]
[illegible]
[illegible]
[illegible] reminiscencia [illegible]
[illegible] oblivio [illegible]
[illegible]
oblivio [illegible] reminiscencia [illegible] oblivio [illegible]
[illegible] oblivio [illegible]
[illegible] oblivio [illegible]
[illegible] cognitiva [illegible]
[illegible] oblivio [illegible]
[illegible]
[illegible] fantasmatis [illegible]
[illegible] oblivionem [illegible] oblivionem [illegible]
[illegible] oblivio [illegible] oblivionem [illegible]
[illegible] fantasmatis [illegible]
[illegible] fantasma [illegible] debile
[illegible] memoria [illegible]
[illegible]
[illegible] cognitiva [illegible]
[illegible] fantasmatis [illegible]
[illegible]

Et si non aliquo apprehendendo forte primaria apprehensione de re vel
unius reservatio [illegible] forte apprehensioni sequatur et fantasmata
et reservat secundum actum mentis quo forte apprehendebat [illegible]
simul secundum tempus magis forte apprehendebat et ista fantasmata sunt
adeo fortia ut supposito quod sufficiant possunt movere potentiam cogni-
tivam ad actualem cognitionem non contingit tunc quod potentia cognitiva
propterea desinat advertere ad ista fantasmata reservata quia
quod ad alterum fuerat conversa potentia cognitiva tamen sic valet ad
predicta fantasmata et movendum absque [illegible] et tunc [illegible] ultra actum
sed quod est secundum apprehensio rei [illegible] reservatas [illegible] vero apprehen-
sionem primam apprehensionem. Ista vero memoria vel actus memorativus
Certo non solum modo quo reminiscentia [illegible] rei et [illegible]
apprehendendo forte fuerit quod potentia cognitiva desinit [illegible]
fantasmata forte [illegible] fantasmata actu apprehendi forte et fan-
tasmata fantasmata magis forte fuit [illegible] apprehensio [illegible]
fantasmata sunt adeo debilia quod possunt non sufficiunt movere
[illegible] potentiam cognitivam ad actualem cognitionem sed per [illegible]
advertentiam [illegible] potentie cognitive ad predicta [illegible]
[illegible] movere potentiam cognitivam [illegible] quod [illegible] actualem
cognitionem [illegible] forte actu apprehendi temporis [illegible]
[illegible] fantasmata ad aliud fantasmata [illegible]
et [illegible] forte et tunc predicta fantasmata [illegible]
fantasmata vel alia fantasmata per lapsum temporis
[illegible] potentiam reminiscitivam [illegible] dicitur reminisci. [illegible]
[illegible] debitas fantasmata [illegible] reminiscentie
[illegible] apprehendi vel quod fuit magis apprehensio
[illegible] conservatio vel quod non fuit debilia ad [illegible]
[illegible] potentie cognitive [illegible] memoria
reminiscentia [illegible] [illegible] [illegible] ad [illegible]
quod [illegible] admonitio quod [illegible] reminiscentia [illegible] quod [illegible]
potentie cognitive [illegible] apprehensio. Secundo [illegible]
[illegible] quod memoria est apprehensio rei [illegible]
[illegible] quod memoria [illegible] [illegible] fantasmata
sufficiunt possunt movere potentiam cognitivam absque alia fantas-
matis [illegible] reminiscentia [illegible] fantasmata [illegible]
debili non sufficiunt possunt movere potentiam cognitivam [illegible]
[illegible] potest [illegible] [illegible] [illegible] [illegible] quod memoria [illegible]
[illegible] ad bruta [illegible] reminiscentia [illegible] [illegible]
reminiscentia [illegible] seu [illegible] [illegible] [illegible]
bruta non [illegible] Certo non [illegible] quod dicit [illegible]
et recordatio quod [illegible] oblivio [illegible]
[illegible] reminiscentia [illegible] oblivio [illegible]

[illegible] quod [illegible] sit aequalis notabilis [illegible] [illegible]
Quintum advertendum est [illegible] [illegible]
admonitio quod reminiscentia [illegible] ob-
livio [illegible] oblivio [illegible] quod [illegible] admonitio [illegible]
reminiscentia [illegible] actu apprehendi quae [illegible] cognitio [illegible]
[illegible] [illegible] [illegible] oblivio [illegible] [illegible] [illegible] quod [illegible]
admonitio quod reminiscentia [illegible] potentia [illegible]
[illegible] [illegible] [illegible] advertentia [illegible] quod [illegible]
ad actum cognoscendi rei [illegible] [illegible] [illegible] admonitio
[illegible] oblivio [illegible] seu [illegible] [illegible] quod [illegible] sit [illegible]
fantasmata non sufficiunt [illegible] possunt [illegible] cognitiva
[illegible] fantasmata non [illegible] memoria quod fantasmata
[illegible] memoria est sufficiens possunt movere potentiam cognitivam
ad actualem cognitionem rei [illegible] [illegible] [illegible] [illegible]
[illegible] reminiscentia requirit oblivionem [illegible] [illegible]
[illegible] quod reminiscentia [illegible] [illegible] fantasmata
debilia [illegible] quod [illegible] est [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] oblivio [illegible] [illegible] [illegible] memoria
est [illegible] actualem cognitionem vel actu cognoscendi [illegible] fan-
tasmata non sufficiunt possunt [illegible] [illegible] cognitiva [illegible]
reminiscentia requirit oblivionem [illegible] quia non [illegible]
Certa [illegible] reminiscentia non [illegible] oblivio [illegible] [illegible]
[illegible] quod sit [illegible] [illegible] [illegible] [illegible] et recordatio [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] quia [illegible] est

Sextum advertendum est quod [illegible]
[illegible] quae est quod [illegible] [illegible]
[illegible] cognitionis fortificat memoria de eisdem sic quod [illegible]
[illegible] sunt [illegible] memoria. [illegible] quod [illegible] est [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] potentia cognitiva [illegible] [illegible] [illegible]
[illegible] [illegible] inclinat potentiam [illegible] [illegible] [illegible]
[illegible] actibus [illegible] [illegible] sunt [illegible] [illegible] [illegible]
[illegible] est quod [illegible] [illegible] ut [illegible] [illegible] [illegible] operationibus
[illegible] [illegible] est [illegible] [illegible] [illegible] non [illegible]
[illegible] operationes [illegible] est [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] operationem [illegible] potentia [illegible] [illegible] [illegible]
[illegible] et [illegible] quamvis [illegible] sit [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] quod [illegible] operationes [illegible] debitas
[illegible] [illegible] [illegible] [illegible] et [illegible] [illegible] [illegible]
[illegible] quod [illegible] operationes [illegible] debitas [illegible] [illegible] [illegible]
[illegible] [illegible] depauperatur [illegible] et [illegible] [illegible] potentia
[illegible] [illegible] et [illegible] [illegible] [illegible] [illegible]
et [illegible] [illegible] [illegible] et [illegible] [illegible] [illegible] non

e [illegible] de potencia vegetatiua ut [illegible] quanto ea magis a ma[illegible]
corporis d suas operaciones saltem mitendo z augmentando tanto
[illegible] studuit z alios eundem intitendo [illegible] sufficiens in
qd potentia vegetatiua agit Tercium ꝯpletum quale e q caules [illegible]
comestione sicut [illegible] caulium potacionem pter ebrietatem solent [illegible]
z ante potacionem impedit ea Sed ad primam pte q caules
crudis comestis pter ebrietatem aut [illegible] caulium potacionem pter
ebrietatem vbi frigiditas sue plus infrigidat cerebrum z sunt fumi
eleuati ad cerebrum ingrossati z sunt graues et descendunt cerebri
quietes cerebrum qui fuerunt [illegible] ebrietas z conturbacionem cerebri
[illegible] z [illegible] corporis soluit ebrietas Quinto [illegible]
sed caulibus comestis impediebantur ebrietates [illegible] ad [illegible]
[illegible] plus q caules vino sentit ebrietatem Dicitur q [illegible] e q
caules quidem sint frigidi z humidi et [illegible]
[illegible] cerebrum qd infrigidatum respuit fumos eleuatos a [illegible]
quale no contingit [illegible] in ebrietate ita cito ac si caules
no comedisset Sexto ꝯpletum quale e si potacio [illegible]
caput mane dolet e poto matutino [illegible] caput
ad pristinum statum [illegible] ad metam Sed [illegible] secunda [illegible]
potacio vina hora matutina [illegible] medicina Sed [illegible]
[illegible] e q fumi eleuati ad caput [illegible] indigestio [illegible]
[illegible] frigidis infrigidat cerebrum [illegible]
ingrossentur z descendunt et caput [illegible] ad pristinum [illegible]
Septimo ꝯpletum quale e q magnus timor [illegible]
infirmitatis Sed q ea [illegible] magne timoris [illegible]
spiritus z calores ad interiora reuocantur sic q membra exteriora
[illegible] infrigidantur z vbi nimie infrigidantur
[illegible] infirmitas [illegible] q magnus [illegible]
membrorum [illegible] z calores reuocant ad cor [illegible] contingit [illegible]
timore [illegible] debita [illegible] contingit ad [illegible]
Octauo ꝯpletum q e [illegible] lignum latitudinis [illegible]
pedibus super terram planam [illegible] ambulat super [illegible]
z [illegible] lignum [illegible] super magnam fossatam no [illegible]
[illegible] fossatam [illegible] casus [illegible]
q super terram planam [illegible] no timet [illegible] fossatam
volens [illegible] timet et spiritus z calores [illegible]
et membra exteriora incipiunt tremere [illegible]
[illegible] casus [illegible]
[illegible] allegata [illegible]

Utrum concessiue [illegible]
membro [illegible]

[illegible] Et [illegible] concessiue [illegible] quia no
[illegible] organum [illegible] melius dispositum [illegible]
q bona dispositio organi [illegible] potencia [illegible]

sibi debitas [illegible] adhuc [illegible]
[illegible] organum [illegible] magis [illegible]
[illegible] q quanto organum e magis tanto melius [illegible]
[illegible] organum [illegible]
cerebrum e magis [illegible] organum [illegible]
Dico [illegible] minima [illegible] cerebri
[illegible] no impedimentum [illegible]
in [illegible] assignando [illegible] organum
[illegible] mouent [illegible] no impedit [illegible]
[illegible] suis operacionibus quia no [illegible]
[illegible] organum [illegible]
[illegible] Tercio [illegible]
[illegible] in alio [illegible]
[illegible] e peior [illegible]
[illegible] no e [illegible] quanto
e [illegible] in alio
Quarto [illegible] in [illegible] ut [illegible]
[illegible]
[illegible]
[illegible] in fine [illegible] libri [illegible]
in [illegible] Quinta [illegible]
[illegible] Quinto [illegible]
[illegible] cerebri [illegible]
[illegible] frigidi [illegible]
[illegible] frigida [illegible]
[illegible] vita [illegible] cerebri [illegible]
[illegible]
[illegible] cerebri [illegible]
[illegible] ad [illegible]
[illegible] cerebro [illegible]
[illegible] Tercio [illegible] nimia
[illegible] aut [illegible] organum [illegible]
impedit [illegible] z [illegible]
[illegible] organum no sufficit [illegible]
[illegible] Quarto [illegible] quanto cerebrum e [illegible]
organum [illegible] magis et quanto organum [illegible] seu
cerebrum e magis tanto [illegible] Quinto [illegible]
[illegible] potencia [illegible] quanto [illegible]
[illegible] in [illegible]
[illegible] suas operaciones [illegible]
potencia [illegible]
[illegible] z [illegible]
quanto [illegible]

[illegible]

Circa librum de sompno et vigilia queritur

[illegible]

admirative [illegible] [illegible] sic quod [illegible]
[illegible] opere isti [illegible] Tertio [illegible] quod [illegible]
[illegible] vigilacie [illegible] [illegible] [illegible]
[illegible] causatur [illegible] [illegible] [illegible] non [illegible]
[illegible] [illegible] regressio in [illegible] si ergo sompnus sit [illegible]
vigilie [illegible] [illegible] Quarto arguitur sompnus est [illegible]
[illegible] sompnus [illegible] est privacio [illegible] [illegible] [illegible] est potencie [illegible]
[illegible] effectus potencie [illegible] sompno [illegible] [illegible]
[illegible] quia a sompno [illegible] salus animalis sine [illegible]
[illegible] fortitudo [illegible] qui sunt effectus positivi Consequens
quod Aristoteles [illegible] in [illegible] libro quod sompnus [illegible]
[illegible] [illegible] seu [illegible] caloris et spiritus [illegible]
et [illegible] est quod [illegible] effectus est positivus [illegible] arguitur [illegible]
[illegible] libri ubi [illegible] in [illegible] quod sompnus sit privacio
vigilie [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] in 2o [illegible] in 3o [illegible] [illegible] Tertio [illegible]
[illegible] [illegible] [illegible] quod sompnus [illegible]
[illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] mentibus [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] calor [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] sensitivi et caloris
[illegible] [illegible] [illegible] [illegible] mentibus [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
sompnus [illegible] [illegible] quod organa [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
sompnus [illegible] [illegible] [illegible] [illegible]
[illegible] sompnus [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] quod [illegible] sompnus [illegible]

sit [illegible] [illegible] quando quod sunt impotencia ad actum sentiendi
[illegible] spiritus et caloris [illegible] Aristoteles sompnus diffinitur
[illegible] sompnus est impotencia sentiendi [illegible] vigilandi [illegible]
non est ut [illegible] [illegible] quando [illegible] est [illegible]
[illegible] sompnus [illegible] est unio et [illegible] spiritus [illegible]
et caloris [illegible] non [illegible] vigilia [illegible] [illegible]
ut [illegible] [illegible] quando [illegible] est impotencia [illegible] ad
actus sentiendi [illegible] [illegible] est [illegible] et caloris quando
[illegible] est impotencia [illegible] [illegible] organa [illegible]
[illegible] membra [illegible] Tertio notandum [illegible] est privacio
[illegible] [illegible] solum actus sit quod non [illegible] ut [illegible]
[illegible] [illegible] [illegible] est privacio [illegible] actus et [illegible] ut
[illegible] [illegible] est privacio [illegible] Et [illegible] privacio [illegible]
[illegible] [illegible] [illegible] quod [illegible] est [illegible] regressio [illegible]
[illegible] [illegible] [illegible] [illegible] quando [illegible]
[illegible] vigilia [illegible] sompnus est
privacio vigilie [illegible]

[illegible] impotencia sentiendi [illegible] [illegible]
[illegible] et caloris et vigilia [illegible] sentiendi
[illegible] [illegible] [illegible] privacio [illegible]
quando sompnus [illegible] vigilia [illegible] sompnus non est
privacio vigilie [illegible] quando [illegible] sompnus sit unio
seu [illegible] spiritus et caloris [illegible] et vigilia [illegible]
[illegible] [illegible] organa [illegible] [illegible]
[illegible] [illegible] privacio [illegible]
[illegible] quod [illegible] sompnus vigilia [illegible] privacio [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] quod [illegible] sompnus et vigilia [illegible] non [illegible] ad
[illegible] privacio [illegible] [illegible] [illegible]
[illegible] quando [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] sompnus et vigilia [illegible]
[illegible] [illegible] privacio [illegible] sompnus [illegible]
privacio vigilie [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] sompnus
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] in etate senili ut [illegible]
[illegible] dormiunt [illegible] [illegible] [illegible] dormiunt [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] sompnus [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]

aut vias porosas aut porosas sunt multi spiritus [illegible]
potus et in iuvenibus qui sunt calide nature et pueri capiunt
exercitia inmittunt aquibus multi sumi resolvunt et eciam
dormiunt Secundum completum quale est quod ebrietas magna
cepita ut in pluribus fiunt magis sompnolenti quam alii [illegible]
cum tractu et in febre acuto in principio non generatur sompnus
nec ebrietas ut dictum est et frigidi et sicci quando est compleccio
corporis ergo quando sunt magis in dictis corporibus animalibus [illegible]
tunc cerebrum ipsum est frigidius et humidius et porosius [illegible]
et magis ipsum ingrossare et pulsare sumus elevatus [illegible]
eiusdem in stomacho et descendere adcapiunt et [illegible]
et sompnus generatur magis sunt sompnolenti quam alii [illegible]
Tercium completum quale aliqui tholes cogitaciones [illegible]
malo et turbacio et forte imaginaciones [illegible]
non bene dormiunt Secundum aliquos quod [illegible] est ipse solliciti
Alii dicunt quod [illegible] est ipse forte intensior [illegible]
et reducitur in potenciam [illegible] ad actum sentiendi cogitandi
et intelligendi non obstantibus cum sumis ascendentibus ad caput
[illegible] non videtur bene dictum salvis [illegible] nec [illegible] sumus [illegible]
ascendunt ad caput et ad cerebrum sit frigidum ut supra [illegible]
[illegible] agit ingrossando et condensando sumus elevatos [illegible]
ipsum videtur quod debeat sequi sompnus Unde dicitur quod quale [illegible]
impediat vel quale [illegible] forte impediat et [illegible]
tas quod [illegible] Ergo quod [illegible] est quod [illegible] regemine [illegible]
ipsum est [illegible] superioritatis et inferioritatis et inferiores [illegible]
obediunt superioribus [illegible] ergo [illegible] timens [illegible]
malum vel forte imaginatus sunt [illegible]
digestiva que est inferior ad ymaginativam et cogitativam [illegible]
[illegible] in operacione [illegible] debitas ita intense sicut [illegible]
[illegible] aut pluritate aut ymaginacione [illegible]
obediendo ipsi potencie ymaginative [illegible] ut supra [illegible]
occupata inquantum [illegible] est in signum [illegible] videmus quod si aliquis [illegible]
sunt occupati circa aliqua [illegible] ardua ubi [illegible]
ymaginacio non percipit sitim aut famem [illegible]
ymaginacione [illegible] valde [illegible] aut famelicus [illegible]
completum quale ebrietas appetitus [illegible] dormire [illegible]
quod ebrietas [illegible] potius [illegible] fortes sumus [illegible]
[illegible] capita [illegible] sumi [illegible] forte [illegible]
[illegible] et vias porosas vel porosas [illegible]
[illegible] Tercio [illegible] quod [illegible] quale [illegible]
sompnus et vigilia [illegible] quod [illegible] sompnus est privacio
vigilie [illegible] [illegible] quod [illegible] sompnus [illegible]

[illegible] non et non [illegible] non Tercium [illegible] quale et quibus intelligendo
[illegible] animali [illegible] seu [illegible] bene disposito Tercium [illegible]
[illegible] ad angelum [illegible] [illegible] quod [illegible] privacio ibi
[illegible] tamen actio [illegible] [illegible] non sompnus
[illegible] privacio vigilie [illegible] non [illegible] privacio
[illegible] privacionem [illegible] Tercium [illegible] quando vigilia [illegible]
[illegible] non [illegible] [illegible] angelis
sompnus [illegible] est [illegible] sompnus et vigilia [illegible] non
[illegible] non [illegible] autem allegata [illegible]
[illegible] Utrum sompnus et vigilia sint passiones
communes omni animali
et soli [illegible] Et arguitur quod non

quod [illegible] sompnus convenit omni animali [illegible] vigilia [illegible]
[illegible] animali [illegible] quia non [illegible] [illegible] sompnus
et vigilia [illegible] [illegible] inductive [illegible] singulis
[illegible] autem [illegible] quod [illegible] vigilare et
dormire [illegible] et semel [illegible] quia [illegible] sompnus
et vigilia sunt passiones [illegible] omni animali et soli [illegible]
[illegible] ad [illegible] quod [illegible]
[illegible] et [illegible] tempus [illegible]
[illegible] requiritur quod sompnus et vigilia [illegible]
Tercio autem non omne [illegible] et [illegible]
[illegible] quod sompnus et vigilia sunt passiones [illegible]
[illegible] videtur non [illegible] non [illegible]
[illegible] quod multa sunt animalia [illegible]
[illegible] et de [illegible] et de animalibus [illegible]
[illegible] autem non omne [illegible] ergo [illegible]
quod sompnus est [illegible] et calore [illegible]
[illegible] [illegible] et [illegible]
[illegible] autem [illegible] quod omne [illegible] cerebrum [illegible]
[illegible] quod [illegible] quod sompnus [illegible]
[illegible] ut dictum est [illegible]
[illegible] animali [illegible] cerebro [illegible] quod debeat [illegible] sompnus
[illegible] autem [illegible] quod sompnus et vigilia [illegible] plantis
[illegible] animalibus [illegible] sompnus et vigilia [illegible] plantis
vegetativa [illegible] non et [illegible] quod plantis [illegible]
ut vegetativa [illegible] operatur suas operaciones [illegible] debitas [illegible]
[illegible] plante videntur vigilare ut [illegible]
videntur dormire [illegible] operatur operaciones [illegible] debitas [illegible] plante
quod [illegible] nec dormit nec vigilat [illegible] quia non [illegible]

cuius [illegible] animalis continue contrarie [illegible] tempus sue vite [illegible] [illegible] est animalis vincere solum [illegible] tempus [illegible]
al sicut sit in contrarii continue non vigilat ad [illegible] non sit [illegible]
potentia principia sensandi nec dormit ad [illegible] non [illegible]
[illegible] inscidens quia sompno quod fase [illegible] valde [illegible]
vivat sit quod adhuc non [illegible] multum et quia sompnus [illegible]
[illegible] elevatis [illegible] continue [illegible] si [illegible]
in illo animali [illegible] et eadem in eo non est sompnus [illegible]
[illegible] declarat philosophus [illegible] libro de [illegible] quod sompnus et
vigilia sunt passiones omnium animalium [illegible] et solum [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] Vicesimum [illegible] et [illegible]
[illegible] sompnus et vigilia sunt passiones
omnium animalium [illegible] et solum [illegible]

[illegible]

non abbreviat [illegible] non [illegible] quia potentia [illegible] fatigetur
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
deficiunt [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] fatigabilis
[illegible] [illegible] [illegible]
ordinat quiete et cessatione a suis operibus quia non deficit in
[illegible] nec [illegible] [illegible] [illegible]
[illegible] [illegible] nec [illegible] deficiunt [illegible] [illegible]
et [illegible] potentia que non est [illegible] [illegible] [illegible]
[illegible] et frustra [illegible]
animali sano [illegible] [illegible]
[illegible] est in vigilia [illegible]

[illegible]

rectificatis operacionibus ut dictum est [illegible] et [illegible] sompnus
et vigilia sunt passiones [illegible] et soli animali [illegible] in
[illegible] quod [illegible] animali [illegible] [illegible] [illegible] sunt [illegible] [illegible]
in sompnus et [illegible] vigilia [illegible] ergo [illegible] [illegible]

[illegible] ad [illegible]
[illegible] [illegible] [illegible] [illegible] quibus [illegible]

homo [illegible] [illegible] [illegible] solis [illegible] in aurora ut [illegible]
magis appetit dormire quod [illegible] [illegible] [illegible] noctis [illegible]
debere [illegible] ut [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
sompnus [illegible] [illegible] [illegible] [illegible] elevatis fumositatibus [illegible]
[illegible] et [illegible] [illegible] [illegible] debere vigilare [illegible] [illegible]
[illegible] [illegible] in [illegible] sit [illegible] sic quod [illegible] [illegible]
[illegible] adiuvat [illegible] [illegible] ubi celebratur una digestionum [illegible]
subtilis [illegible] [illegible] [illegible] [illegible] separata [illegible] [illegible]
puro [illegible] adeptam [illegible] [illegible] adiutrica [illegible] [illegible]
[illegible] elevantur fumi subtiles ascendentes ad caput qui
[illegible] et [illegible] [illegible] [illegible] [illegible] sic quod
descendunt [illegible] [illegible] in quo descensu claudunt vias et
meatus [illegible] [illegible] [illegible] et calores [illegible] mitti [illegible]
[illegible] [illegible] sompnus [illegible] dulcis [illegible] [illegible] [illegible]
[illegible] quod [illegible] [illegible] volentes [illegible] [illegible] aqua domo [illegible]
[illegible] [illegible] [illegible] sompno quando [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] ne [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] sompno fumi elevati [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] quod fumi elevati [illegible]
[illegible] sompno et [illegible] [illegible] et [illegible] claudunt meatus et vias
[illegible] [illegible] mitti [illegible] [illegible] et calores [illegible] sompnus [illegible]
et [illegible] [illegible] [illegible] sompno [illegible] [illegible] [illegible] [illegible]
[illegible] quod partes [illegible] [illegible] dormientes [illegible] [illegible]
[illegible] quod partes [illegible] [illegible] [illegible] caput [illegible] [illegible]
[illegible] quod [illegible] [illegible] [illegible] [illegible] alie partes [illegible] [illegible]
[illegible] impedimento [illegible] quod [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] partes [illegible] [illegible] et frigidissimum [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
quod sit frigidius quam alie partes [illegible] [illegible] [illegible] [illegible]
[illegible] ad [illegible] [illegible] [illegible] [illegible] [illegible] et [illegible] [illegible] sompno
meatus et vie per quos debent mitti calores [illegible] partes
[illegible] sunt clausi [illegible] [illegible] [illegible] et calores mitti [illegible]
[illegible] et debentur [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] quod [illegible] [illegible] [illegible] assignata [illegible]
[illegible] [illegible] sompnus [illegible] sompni [illegible] [illegible] [illegible] [illegible]

sompno non [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
et calorem [illegible] quod organa [illegible] [illegible] depauperata [illegible]
[illegible] [illegible] sompno [illegible] [illegible] bona et sufficiens [illegible] quod
non obstante sompno debemus sentire [illegible] pedibus et [illegible]
partibus inferioribus [illegible] [illegible] [illegible] [illegible] [illegible] ergo quod [illegible] mitti
[illegible] [illegible] [illegible] [illegible] non [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
quod [illegible] sompnus [illegible] et calores [illegible] [illegible] mitti ad partes in
[illegible] [illegible] [illegible] [illegible] non mittuntur [illegible] ad partes
inferiores [illegible] [illegible] [illegible] [illegible] mittuntur [illegible] [illegible]
[illegible] et mittuntur ad singulas partes [illegible] corporis [illegible]
[illegible] meatibus et [illegible] [illegible] [illegible] [illegible] non [illegible] mitti [illegible]
[illegible] ad partes inferiores [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] mittuntur per [illegible] meatus et [illegible] [illegible] [illegible] [illegible]
[illegible] et [illegible] sompnus non mittit [illegible] seu [illegible] [illegible]
[illegible] [illegible] [illegible] et [illegible] [illegible] sompnus [illegible]
[illegible] ad bonam digestionem [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] quod titulus [illegible] [illegible] fumos et [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] titulus [illegible] [illegible] et capitulum [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] quod titulus questionis
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] quod [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] quod [illegible] sit [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] ad [illegible] [illegible] [illegible] [illegible] [illegible] et [illegible] [illegible]
[illegible] [illegible] [illegible] non [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] non [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] ad [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] dicitur quod anima
vegetativa [illegible] [illegible] [illegible] [illegible] sua [illegible] [illegible]
[illegible] [illegible] [illegible] ita fortis in yeme sicut in estate quod
in estate [illegible] [illegible] [illegible] [illegible] non [illegible] in yeme sit
[illegible] non [illegible] dormire quod anima vegetativa non est fatigabilis
[illegible] [illegible] [illegible] dicitur quod [illegible] [illegible] animali [illegible] sit [illegible]
[illegible] [illegible] animali [illegible] [illegible] allegata [illegible] [illegible] [illegible]

[illegible] sompnus sit [illegible] [illegible]
et [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] ligatum [illegible] sompno
[illegible] [illegible] [illegible] [illegible] quod [illegible] [illegible] sompnus [illegible] passio [illegible] sompno
[illegible] ligata [illegible] quod [illegible] [illegible] [illegible] ad [illegible] sompno [illegible] quo
[illegible] seu [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] non est ligatum
[illegible] indicat seu [illegible] iudicia [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] sompni [illegible] sompnus non est [illegible]
[illegible] [illegible] [illegible] quod sompnus sit [illegible] [illegible] [illegible]

aut quia spiritus spissi post [illegible] in [illegible] naturales [illegible]
non est [illegible] durante sompno primo a sompno [illegible]
calefit [illegible] sompnus est [illegible] spiritus et calor [illegible]
cor. Tertio sit sompnus est passio cerebri [illegible] quia [illegible]
non post membro alio [illegible] vigilia est
a corde usque ad cerebrum sompnus est a cerebro usque ad cor.
Quarto sit sompnus est passio [illegible] non sit [illegible]
[illegible] nutritiva et spiritus [illegible] distinguntur [illegible]
[illegible] sompnus sit [illegible] vel [illegible] sompnus
non [illegible] nutritivas [illegible] sit [illegible]
[illegible] Quinto sit sompnus est passio [illegible]
motive in loco [illegible] spiritibus et [illegible]
motiva in loco [illegible] potentia motiva in loco
[illegible] sompni est ligata et sompnus est passio [illegible] sompnus
ligata seu ligata est [illegible] potentia motiva in loco sit ligata
a sompno [illegible] a sompno non exerceat [illegible] operationes
[illegible] motiva in loco [illegible] sompni [illegible]
[illegible]
[illegible]
[illegible]

Sexto notandum [illegible] spiritus [illegible] sompnus [illegible]

[illegible]

[illegible] quod cum ponitur esse ligata a sompno [illegible] sompnus
primo et principaliter passio [illegible] quia [illegible] non dicitur esse sompnus passio
[illegible] ipsa esse ligata sic sed quod non exerceat operationes suas
debitas [illegible] Secundo notandum [illegible] non sit nisi una
virtus interior cogitativa et [illegible] in diversa officia [illegible]
[illegible] sortitur diversa [illegible] eius ipsa [illegible] spiritibus [illegible]
[illegible] fantastica [illegible] cogitativa [illegible]
[illegible] notandum [illegible] quod sompnus sit [illegible]
[illegible] sompnus sit primo et principaliter passio
[illegible] seu [illegible] spiritus [illegible]
[illegible] intendit [illegible] sit passio [illegible] spiritus
[illegible] vegetativa [illegible]
[illegible] officiorum [illegible] passio [illegible]
[illegible] Quinto [illegible] sit [illegible] sompni [illegible]

[illegible]

e alii p; ex quibus cum dormiendo ascendunt vapores et exhalationes
fiunt inde [illegible]. Quarta quod sompnus non est passio circa sensus exteriores
solum sed quia sensus [illegible] ad sompnum sufficeret illud sensum [illegible]
exteriorum sed eo paradisali sompnus erit passio ligans seu [illegible]
statum quoniam sensum qui ad sompnum requiritur quod omnes sensus exteriores
sunt ligati sed [illegible] qui ad sompnum sufficit illud sensum ligatum
est passio. Sexta quod et universaliter sompnus est primo et per se passio sensus
communis in quantum talis [illegible] quia sensus communis est de sompno ligatur
et quantum sensum sensibus a ligatione eius sufficit ad sompnum [illegible]
passio quia [illegible] nolle [illegible] articuli [illegible] poni in
sompno esse ligatum [illegible] dicitur passio sompnus autem [illegible] sensus
dicitur sensum sensibus [illegible] quod modo exactibus seu [illegible]
sensuum exteriorum et quantum sensus communis sensus exteriores [illegible]
sunt ligati per meatus clausos et fumos elevatos [illegible]
cibo in stomacho continue sic quod [illegible] sensui et calor [illegible]
[illegible] mitti ad organa sensuum exteriorum [illegible]
[illegible] quod sensus exteriores [illegible] suas operationes
tales. Septima [illegible] primo et per se sompnus attribuitur seu [illegible]
[illegible] passio sensuum exteriorum et quantum sensus [illegible]
e abactibus seu [illegible] sensuum exteriorum. Octava [illegible]
primo sensui et quantum talis [illegible] probatum est [illegible]
[illegible] sensum sensibus non est de sompno ligatum [illegible]
et quantum talis est fantasticus vel et quantum est intrinsecus [illegible]
[illegible] requiritur quod ipse sit ligatus et quantum sensum sensibus [illegible]
adhuc [illegible] sit [illegible] completum [illegible] quod sensu adequate
diu remanat [illegible] temporibus consuetis pati dolorem capitis a [illegible]
sompno [illegible] cessat [illegible] dolor. Septima quod [illegible] non [illegible]
consuetis temporibus remanat calor naturalis non [illegible]
[illegible] in quod agat agit in superfluitates et [illegible]
et tunc ab illis superfluitatibus fit elevatio et evaporatio fumorum
caprinosorum et turbatorum cerebri qui fumi [illegible]
[illegible] quia sunt instabiles admodum capriarum. Sed [illegible]
[illegible] calor naturalis incipit se depascere in [illegible]
[illegible] sua defectu superfluitatibus [illegible] fumus [illegible]
[illegible] fumi [illegible] cerebri conturbantes et tamen [illegible]
sit quod consequenter dolor cessat [illegible] causa [illegible]
[illegible] fumus cessat effectus puta dolor. [illegible]
[illegible] quod dormientes [illegible] malos [illegible]
vigilantes. Septima non [illegible] quando incipit dormire spiritus et calor
[illegible] circa cor dimittentes membra exteriora [illegible]
[illegible] spiritibus et caloribus [illegible]
[illegible] dormitionis [illegible] vigilie [illegible]

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[illegible] quando [illegible] ad [illegible] manus [illegible] super
[illegible] [illegible] tibi [illegible] propter [illegible] digestionis
[illegible] spiritus et calor missi [illegible] ad membra exteriora
ad [illegible] ad locum digestionis ad [illegible] ut melius
[illegible] digestio et celerior [illegible] bonum [illegible] sanitatis et digestionis
[illegible] [illegible] non [illegible] [illegible] vel [illegible]
[illegible] laborare [illegible] [illegible] laborem fit dis
[illegible] spiritus et calor [illegible] digestionis et [illegible] corporis ad
[illegible] exteriora et [illegible] impeditur digestio [illegible] moderate
laborare aut stare aut incedere paulatim [illegible]
[illegible] ad digestionem [illegible] [illegible]
[illegible] descendit ad [illegible] stomachi ubi [illegible] et melius [illegible]
[illegible] calor [illegible] in [illegible] stomachi [illegible]
[illegible] quando [illegible] dormientes [illegible] aque frigide [illegible]
[illegible] submergatur [illegible] quod [illegible] sit frigida et humida
[illegible] ab [illegible] usque ad [illegible] sunt [illegible]
aque [illegible] ipsa est frigida et humida [illegible] quod aque
[illegible] aque [illegible] est frigida et humida sunt
[illegible] in [illegible] seu [illegible]
[illegible] et [illegible] fortificantur [illegible] quod melius sufficiunt
[illegible] sensum [illegible] quod in [illegible] sit [illegible]
[illegible] ad [illegible] in [illegible]
[illegible] [illegible] quia [illegible] ad
[illegible] non operatur [illegible] sensibus [illegible] ligatum
[illegible] sompno [illegible] est fantasticum aut vegetativum [illegible]
[illegible] ligatum [illegible] est [illegible] sensibus [illegible] quod fiat sompnus
[illegible] non [illegible] sompnus non fit [illegible] infrigidatione
[illegible] fit infrigidatione et [illegible] ingrossatione fumorum
elevatorum [illegible] in stomacho et [illegible]
[illegible] ad [illegible] volunt
[illegible] vigilie [illegible] spiritus et calor [illegible] cerebro [illegible]
[illegible] aut [illegible] spiritus et calor [illegible]
[illegible] ad [illegible] ut [illegible]
[illegible] qua [illegible] sompnus est passio [illegible] illa
[illegible] sompnus [illegible] passio [illegible] ligata [illegible]
[illegible] sompnus est passio [illegible] ligata [illegible]
[illegible] sompnus est passio [illegible] sicut [illegible]
[illegible] non ligat [illegible] fortificatur et [illegible] ad [illegible]
[illegible] debitum ut [illegible] est [illegible]
[illegible] quod [illegible] ut visum est [illegible]
[illegible] sompni [illegible] allegatum [illegible]
[illegible] universali. [illegible] sompnus [illegible]
[illegible] in stomacho receptum. Et
[illegible] primo quod non [illegible] quod [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

diuiditur et debilitatur unde cum [illegible] post [illegible] que
agentibus in agendo repatitur. Secundo sic non perfecta digestione
[illegible] frigidioris et etatis quarte sunt subtiliores quam cum digestione
tunc digestionis et ad [illegible] digestionis indiget dormire quia
tunc digestionis [illegible] ad frigidioris sunt subtiliores [illegible]
quarte [illegible] digestionis [illegible] sunt subtiliores [illegible]
[illegible] ingrossatur quando [illegible] grossi et
[illegible] claudi vie et meatus [illegible]
[illegible] calor quod celebrata digestione calor naturalis
[illegible] debilitatur [illegible] sic [illegible] senes et melan-
colici breuem et magnum dormitionem quia [illegible] calor naturalis in [illegible]
[illegible] sic quod diu durat [illegible] tarde [illegible] calor naturalis in [illegible]
[illegible] fortis quod possit [illegible]

[illegible]

[illegible] sic debilis [illegible] caloris naturalis in [illegible]
[illegible] fit modica euaporatio [illegible] calor
naturalis debilis agit. [illegible]
[illegible] naturalis celebrata digestione [illegible]
[illegible] duabus [illegible]
[illegible] cessat [illegible] et [illegible]
[illegible] in sua dispositione naturali [illegible]
[illegible] dispositione aut dormit aut vigilat [illegible]
[illegible] cessat [illegible]
[illegible] meatus et vie sunt [illegible] dispositione
[illegible] mittat ad organa [illegible]
[illegible] celebrata digestione [illegible]
[illegible] completa digestione [illegible]

[illegible]

pt ee q̄ cibus indigestibile est q̄ nō vincat ad calorē
absorbet ipm in radice etc al [illegible] cū q̄pleta
digestione Quinta cā pt ee fortis diligencia circa alia
agibilia q̄ cōtinuā studiū ē [illegible] fortis attencio tunc
potentia interior ē multū sollicitata circa ea agile [illegible]
in alios impedit̄ primo circa cessat a digestione Sexta
cā pt ee a passiona [illegible] tunc tpe [illegible] q̄ nā
turbata cessat a digestione Septima cā pt ee fortis
[illegible] fortitudo obiecti applicati ut tpe sompni
aut tpe [illegible] claudere q̄d [illegible] sic [illegible]
in somnū [illegible] euaporationes cuius Octa cā pt ee
[illegible] capitis et amplitudo venarum [illegible]
[illegible] caput ē multū decliuo et [illegible] [illegible]
cerebri sic q̄ fumi ascendentes a cerebro nō [illegible]
[illegible] requisitā a sūmorum condensacione et
[illegible] sunt multū ample tunc fumi eleuati [illegible]
[illegible] quare sunt debilitati et nō [illegible] Nona
fortis claudit vias et meatus int cor et cerebrum
cā pt ee q̄pletio [illegible] in aqua [illegible] sui corporis
ad sit [illegible] na melia ad bonum [illegible]
[illegible] calidis a [illegible] lesa [illegible] cuius [illegible]
digestio [illegible] Quinto a [illegible]

Et [illegible] q̄pletio quare ē q̄d [illegible]
dormiens nocturne [illegible]

ul nil sompniat [illegible] q̄r fumi [illegible] sunt grossi et [illegible]
fortis claudunt vias et meatus sic q̄ nō [illegible]
[illegible] abortio [illegible] a [illegible]
[illegible] seu fient sompnia Secundo q̄pletio quare [illegible]
senes modicum sompniat [illegible] q̄ cā impeditur [illegible]
[illegible] pt ee [illegible] ē [illegible] [illegible]
[illegible] ē [illegible] [illegible] ē [illegible]
[illegible] in [illegible] et sompni [illegible]
[illegible] q̄ [illegible] [illegible] modicum sompniat [illegible]
[illegible] senes [illegible] Tercio q̄pletio [illegible] ordinate
q̄ in aurora sompnia [illegible] sunt [illegible] ordinate
q̄ in [illegible] nocturnis [illegible] q̄r in aurora [illegible]
[illegible] digestione etc [illegible] sunt subtiles et
[illegible] quare in [illegible] nō obstruunt meatus [illegible]
[illegible] sunt ordinate [illegible] a [illegible] etc [illegible]
sompnia [illegible] ordinata [illegible]
[illegible] a [illegible] [illegible] [illegible]
gestio [illegible] calor natalis venit [illegible]
q̄ calor natalis sunt [illegible] [illegible] [illegible]

sunt actiuis tunc [illegible] et [illegible] status [illegible] quante
digestione calor ē valde fortis [illegible] digestionem Octa
[illegible] nec q̄a [illegible] tunc [illegible] eleuati sunt [illegible] subtiles [illegible]
[illegible] eleuaciōe corpus nō claudit [illegible] vias et meatus
[illegible] nec q̄a [illegible] [illegible] etc [illegible] [illegible] calois
nō sit eleuacio [illegible] longo tpe q̄ sunt [illegible]
[illegible] vias et meatus [illegible] nec q̄a et [illegible] sunt [illegible]
in [illegible] similitas allegata [illegible] ē [illegible]

Tercio ad [illegible] sit tpe
sompni sompniare Et [illegible]

q̄ nō [illegible] nō ē [illegible] ad [illegible] sompno [illegible] ē [illegible] q̄a [illegible]
[illegible] ē [illegible] ad sit [illegible] fantastica [illegible] sompno
[illegible] [illegible] sit [illegible] [illegible] [illegible] [illegible]
[illegible] divisione [illegible] nō pt dici [illegible] q̄r tpe sompni omnes
[illegible] sunt ligati et [illegible] nō pt [illegible] tpe sompni [illegible]
[illegible] Recte pt dici [illegible] q̄r nō [illegible] [illegible] in
[illegible] in actu [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] posteriore [illegible]
[illegible] [illegible] [illegible] [illegible] nō [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] Dicitur q̄r
[illegible] [illegible] [illegible] nō [illegible] [illegible] [illegible]
[illegible] interiori [illegible] [illegible] [illegible] q̄r [illegible] sompniare
[illegible] [illegible] [illegible] q̄r [illegible] nō [illegible]
[illegible] in vigilia [illegible] [illegible] sompno [illegible]
[illegible] ē notum [illegible] q̄r [illegible]
[illegible] [illegible] [illegible] omnes [illegible]
[illegible] nō [illegible] divisione [illegible] pt dici q̄ omnes
[illegible] [illegible] omnibus [illegible] [illegible]
[illegible] [illegible] ē [illegible] Recte pt dici [illegible] q̄r nō [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] interioris [illegible] [illegible]
[illegible] q̄ nō pt [illegible] [illegible] q̄r [illegible]
[illegible] ē [illegible] ē q̄ nō ē ligata [illegible]
[illegible] pt [illegible] Recte pt dici [illegible] q̄r pt
[illegible] [illegible] q̄r ē [illegible] q̄r pt [illegible]
[illegible] sompniare [illegible] ē [illegible] Quarto pt [illegible]
[illegible] fantasie [illegible] [illegible] fantastica [illegible]
[illegible] [illegible] nō pt dici [illegible]
[illegible] [illegible] ē [illegible] fantasia ē [illegible]
[illegible] [illegible] organa corporis [illegible] organum [illegible]
[illegible] [illegible] sunt ligati [illegible] [illegible] fantastica

cum ligata a sompno [illegible] parte [illegible]
[illegible] sompno [illegible]
[illegible]

[illegible]

[illegible]

sompnus non est passio [illegible]
e ligatura [illegible] sompnus [illegible]
[illegible] sompno [illegible] ligata [illegible]
[illegible] fantastica [illegible]

[illegible]

[illegible]

z no oz ſſm quez ẽe ligatꝰ ꝯ ſupno in quãtũ
ũtz ſantaſica. ſed om vẽm adpbacõz ut ga ad
gr̃oz dr̃ qz no ẽ aſſignatꝰ locꝰ a maiorĩ ut dõ ẽ in
pno quito na tẽpe vigilie motꝰ aõb impedimt
tãle impedimtũ no ꝯtingit tpe ſupni. Sed ad aſſiua
gr̃ qz atque raa no ſz ut q ſut ſorcioꝛ admonet
Ad 2m dr̃ qz ẽ pao altiꝰ virtutꝭ interioꝛ ꝯ ſm̃ qz
pmi ſſtd ut. Ad 3m ut ga q ẽ pao virtutꝭ ſataſ
ut. Ad 4m ut dr̃ adꝯ plat hic ſz ſantaſia
ſorcioꝛ m ut quãm ſm ſſitu ut vel adꝯ ad ſſm
z pong ſtat ſm ſſibꝰ ẽe ligatꝰ ut virtutꝭ ſataſ
no ꝯuiu ligato ut ſrutas allegata ptz o ſed ẽ
q ꝯclusiõe vniſali

Utꝝ diffiõ ſupnij ſit ꝯ
data abarſe a dr̃ ſup
[illegible]

[illegible]

incatõ z ytc vel ſſm quez ꝯtrãrz ſut claſi ſic
qz no ſuit ſſb intẽli abſorgaõ reſudatõ adſſm
olid ar̃ parſlez poncẽ ad diffiõz talẽ donad z ſuffi
tẽ. Juxta ꝯtrac cuit zb cali in ſo ſor uõ
in 2o qõ in 3o ꝯpleta. Circa ad ali ſm ẽ pmo
ſcũm ſantaſma ca triplicat primo
porgao reſuatio ſſm 2o ſſe
reſuata 3o ꝯgemode ut apparicõe q ſit pꝯ ſſm
[illegible]

cognitio spiritus interioris quia spiritus exteriores consumuntur in somno sed
vigilia et cor etiam sit cognitio quod sit cognitio spiritus interioris
magis tamen sompnia non pertineat ad intellectum vel
sensum communem et causa quod omne sompnium quod sit sit in
tempore sompni sed quia nullum sompnium sit tempore vigilie quod
lex causa tamen communis patet quia dicitur cognitio quod sit de tempore vigilie
sed est intellectus vel actus intelligendi [illegible] ad sensum exteriorem
vel spiritus quibus inquietatur [illegible] spiritus vel
actus fantasiandi vel meditandi sed quod non sit sompnium
Tercia quod et [illegible] differencie sompniorum [illegible]
[illegible] posita est in primo capitulo est bona differencia [illegible]
tamen sompnium tamquam [illegible] quod [illegible]
omnia [illegible] et solidum [illegible]
positas [illegible] vel sit argumentum [illegible] distinguere [illegible]
[illegible] causa [illegible] principalibus [illegible] quia est
[illegible] differencie et [illegible] sit apparere [illegible]
et [illegible] differencie Quinto [illegible] sit [illegible]
[illegible] quare [illegible] spiritus representacio
faciunt apparere [illegible]
Dicitur quia [illegible] spiritus [illegible] sunt [illegible] spiritibus magis fortes
et fortes movent [illegible] fantasmata ad formandum rei
cognicionem vel corporis aqua vel [illegible] spiritus fortes
representacio [illegible] Secundo causa sit [illegible] quia spiritus representant
[illegible] rerum [illegible] fortiter [illegible]
[illegible] adveniat [illegible] spiritus et [illegible] sompniat
[illegible] spiritus fortes
non sunt [illegible] apparere [illegible] fortiter [illegible]
sufficienter movere [illegible] fantasmata [illegible] quod [illegible]
quia [illegible] fantasmata [illegible] sint [illegible] sompnia [illegible]
[illegible] rebus et [illegible] rebus [illegible]
debilibus [illegible] fantastica adveniat [illegible]
sue representacionis [illegible] spiritus debiles [illegible] ad [illegible]
[illegible] spiritus magis fortes [illegible] representacione [illegible]
[illegible] dicitur [illegible] quare malancolia [illegible]
[illegible] quia [illegible] malancolia sit frigide nature [illegible]
[illegible] in [illegible] sit debilis digestio [illegible]
et [illegible] non [illegible] magna et fortis elevacio [illegible]
[illegible] in [illegible] et non [illegible]
[illegible] et [illegible] spiritus [illegible] sunt [illegible]
ad [illegible] fantasmata [illegible] ad [illegible]
[illegible] et [illegible] et ita fortiter [illegible]
[illegible] spiritus adveniunt fantasmata [illegible]

no [illegible] fantasmata [illegible] actu [illegible]
[illegible] ad [illegible]
cognitio quod tempore sompni non intellectus ut dicitur est [illegible]
[illegible] et [illegible] sompnium est
[illegible] sompni [illegible] non quando de [illegible] spiritus [illegible] in
[illegible] est [illegible] fantastica [illegible] causa [illegible] cum
[illegible] fantastica sit [illegible] pacienti cognoscendi
[illegible] quod quandoque sit sompnium [illegible] fantasma
apparet [illegible] est sompnium et fantasma [illegible]
[illegible] sompnium [illegible] nomen sompnii
[illegible] nomen fantasmatis [illegible] causa [illegible] cum
[illegible] fantasma [illegible] cognoscendi vel [illegible] cum
[illegible] fantasma non est [illegible] fantasma est [illegible]
cum [illegible] fantasma ut [illegible] causa [illegible]
[illegible] de sompnio [illegible]
[illegible] ita [illegible] claruit quod possit [illegible] spiritus [illegible]
[illegible] in [illegible] sompnio [illegible] sompnia [illegible]
[illegible] est [illegible]

Utrum possibile sit per
sompnia pronosticare et divi-
nare de futuris contingentibus

Et arguitur quod non quia [illegible] futura
[illegible] sompniorum sit nullum [illegible] sit [illegible]
[illegible] quia omne [illegible] notitia [illegible]
[illegible] in [illegible] modum ad [illegible] sit [illegible]
apparet in sompnio [illegible] illuminatio seu [illegible] luce
non [illegible] quare [illegible] ad [illegible] futuri [illegible] illuminatio
luce non [illegible] sompniorum est signum futuri [illegible]
[illegible] illuminatio luce [illegible] in [illegible] morum futuri
[illegible] ut satis clare patet consideranti Secundo sic non [illegible]
[illegible] quod [illegible] sompnia [illegible] nobis adeo [illegible]
[illegible] futura vel [illegible] nobis de [illegible]
[illegible] corporibus [illegible] corporis [illegible]
[illegible] sufficienti [illegible]
[illegible] quod sompnia non [illegible] in [illegible]
[illegible] sompnia [illegible]
[illegible] sic prudentibus [illegible]
[illegible] apparere in sompnio [illegible] eclipsis lune vel [illegible]
[illegible] non [illegible] quod [illegible]
corporis ut satis notum est Tercio sic [illegible] sompnia non possunt
divinare [illegible] sunt [illegible] et fallibilia [illegible] sompnia [illegible]
[illegible] divinare [illegible]
[illegible] et in fallibilia [illegible] non videtur quare [illegible] possumus
pronosticare et divinare [illegible] de futuris contingentibus

bo[n]e p[ate]t p[ro]cedendo dicte Quarta ne cuicu[m]q[ue] q[uia] fallunt
sompnia plurib[us] Certo q[uia] sompnia s[un]t signa p[rese]ntiu[m]
uel futuro[rum] q[uo]d q[uia] p[rese]ntia [et] futura sat[is] dispersim [illegible]
[pro]p[ter]ea n[on] e[st] eo[rum] signu[m] utriusq[ue] Quinto q[uia] s[ecundu]m aliq[uo]s quod
possunt p[er] sompnia diuinari d[e] futuris s[ecundu]m p[ro]pria d[e] spe[cie]
alia p[ate]t q[uia] sompnia causant[ur] ex sp[eci]eb[us] re[ser]uatis i[n] organo
re[ser]uatiuo multiplicatis ad sensum co[mmun]em [illegible]
sentiendi p[rese]ntia [illegible] s[ed] q[uia] sompnia s[un]t [illegible] p[rese]ntiu[m]
q[uam] futuro[rum] [illegible] ar[istoteles] [illegible] in [illegible] libro [illegible]
[illegible] d[e] [illegible] d[e] pronosticatione [et] diuinatione futuro[rum] [illegible]
sompnia q[uo]d n[on] facit nisi [illegible] p[er] sompnia pronostica[illegible]
[et] diuinari d[e] futuris [illegible]
p[ro] [illegible] opi[ni]o[n]es [illegible] uidebi[tur] [illegible]
mo[dos] sompnio[rum] et [illegible] sompnia p[ro]ueniu[n]t [illegible]
uidebi[tur] [illegible] in 3o mouebi[tur] q[uest]io Tercio ad
[illegible] p[ro] [illegible] q[uod] fuit
una opinio que d[icitu]r fuisse Socratis

dicentis q[uod] sompnia p[ro]ueniu[n]t in me[n]te a deo [illegible]
[illegible] [et] in [illegible] n[ost]r[u]m sit a deo [illegible]
futura ut sic [illegible] possim[us] melius [illegible] n[ost]ras [et] operac[iones]
in [illegible] Q[uod] [illegible] ita opinio ar[istotelis] q[uia] [illegible] q[uod] sompnia
[illegible] bonis [et] sapientib[us] [illegible] q[uia] [illegible]
[illegible] [et] [illegible] [illegible] [et] imp[ru]de[n]tib[us] [illegible]
[illegible] [et] [illegible] istius opinio[n]is q[uia] [illegible]
n[on] dignu[m] actibus suis [illegible] in [illegible] Sompnia
s[ed] q[uod] animalia bruta n[on] sompniant [illegible]
q[uia] n[on] [illegible] animalib[us] brutis [illegible] futura
a deo [illegible] animalia bruta n[on] digna [illegible] opac[iones] in deo
Secunda opinio posuit q[uod] sompnia p[ro]ueniunt ab intelligencia
gubernante sp[eci]es actiuoru[m] [et] passiuoru[m] [illegible] sp[eci]es actiuoru[m]
passiuoru[m] [illegible] [illegible] [illegible] [illegible] infra [illegible]
orbis lune sicut s[un]t elementa Con[tra] hanc opinio[nem] ar[guitur] q[ui]a
n[on] [illegible] n[ost]ra deus qui gubernat omnia [illegible]
opinio [illegible] [illegible] [illegible] [illegible] n[ost]ra [illegible]
[illegible] sp[eci]es actiuoru[m] [et] passiuoru[m] [et] [illegible] n[on] [illegible] [illegible]
[illegible] [illegible] in nob[is] [illegible] causat sompnia S[ecundu]m [illegible]
[illegible] opinionib[us] antiquoru[m] Est t[er]cia opinio ar[istotelis] [illegible]
supposito q[uod] sompnia causant[ur] in nob[is] ex sp[eci]eb[us] re[ser]uatis
in organo re[ser]uatiuo multiplicatis ad sensum co[mmun]em p[ate]t [illegible]
dicta [illegible] suppono q[uod] [illegible] diu[er]si mod[i] sp[eci]er[um] [illegible] quib[us]
sic s[un]t [illegible] causant[ur] diu[er]sa sompnia q[uia] [illegible] [illegible] sunt ita
debiles q[uod] n[on] fortificant[ur] [illegible] [illegible] [illegible]
sompnia [illegible] [illegible] s[un]t [illegible] sufficientes ad causandu[m] sompnia
p[ate]t q[uia] ita suppono [illegible] dicta [illegible] suppono q[uod] [illegible]

inferior[is] guberna[tur] [ue]l salte[m] media[n]t[e] actib[us] sup[er]celestib[us]
[illegible] ita suppono [illegible] [illegible] [illegible] methaoro[rum] [illegible]
[illegible] inferiora [illegible] [illegible] [illegible] lacionib[us] superiorib[us] ut tota
[illegible] [illegible] gubernet[ur] [illegible] [illegible] uel salte[m] media[nt]e [illegible]
[illegible] [illegible] q[uod] n[on] sit guberna[tur] actiuitatib[us] celestib[us]
[illegible] [illegible] [et] necessitate ad actus suos [illegible] [illegible]
[illegible] [illegible] media[n]te n[on] obstante [illegible] [illegible]
uolu[n]tas libera Certo suppono q[uod] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] diu[er]sificat[ur] disposi[ti]o corporalis [illegible]
[illegible] [illegible] p[ate]t suppono q[uod] [illegible] [illegible] [illegible] infirmus [illegible]
[illegible] quietus [illegible] timidus [illegible] audax [illegible] [illegible]
[illegible] [illegible] in [illegible] Tunc sit [illegible] [illegible] [illegible]
[illegible] [et] ita sompnia [et] [illegible] causatiue sompnia d[e] sompniis
fortificat[ur] [illegible] [et] dispo[sitio] corporalis [illegible] q[uia] nisi [illegible]
[illegible] sompnio[rum] [illegible] n[on] [illegible] medicina[illegible]
[illegible] corporis [illegible] [illegible] [illegible]
[illegible] q[uo]d n[on] e[st] Sexto p[ate]t [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] dormientes [illegible] sompniant [illegible]
[illegible] [illegible] q[uod] [illegible] [illegible] q[uo]d n[on] [illegible] nisi sompnia
fortificacio[n]e a dispo[siti]o[n]e corporali [illegible] p[ate]t [illegible]
q[uod] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] ad sensum co[mmun]em [illegible] sompniat [illegible]
[illegible] q[uo]d n[on] [illegible] [illegible] [illegible] fortificant[ur] [illegible] dispo[sitio] corporalis
Certo p[ate]t [illegible] [illegible] [illegible] q[uod] [illegible] [illegible] sompniat q[uod]
sup[er] pectus [illegible] [illegible] [illegible] nigros [illegible] [et] [illegible]
[illegible] [illegible] pectus [illegible] [illegible] disposita q[uo]d n[on] [illegible]
sompnia fortificacio[n]e a dispo[siti]o[n]e corporali Quinto p[ate]t [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] Sic [illegible] [illegible] [illegible] q[uod] [illegible] [illegible] sompni [illegible] seu
necessitate sp[eci]es [illegible] [illegible] [illegible] [illegible]
[illegible] fantastica ut appareat [illegible] [illegible] uigilie
[illegible] [illegible] [illegible] Sexta [illegible] sompnia [et] [illegible] causatiue
[illegible] sompnia fortificant[ur] a passionib[us] [illegible] [illegible] [illegible] timore
gaudio [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] uigi[illegible]
[illegible] [illegible] sompniat [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] passionib[us] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] sompniat
[illegible] actib[us] [illegible] seu sp[eci]ebus [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [et] ita [illegible] [illegible] [illegible]
[illegible] sompnia [et] [illegible] causatiue ea fortificant[ur] [illegible]
[illegible] celestia p[ate]t [illegible] supposit[ione] [illegible] q[uia] [illegible]
inferior gubernat[ur] [illegible] sup[er]celestib[us] [illegible] fortificat[ur]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [ue]l [illegible]

q multiplicit p actu ipm alterando et in fluencia
eius alteri ~~influencie~~ dormientes ut eius actu alterat
sic q sompniat et [illegible] 2 qualit adiutoria
q delectabile e [illegible] cum sompnia [illegible] adispositioe corpo
ra ut ab influencijs supercelestibus [illegible] sit [illegible]
2 [illegible] dispositio [illegible] e q sompnia [illegible] ab in
fluencia celesti [illegible] sompniat [illegible]
sunt modi sompniorum [illegible] e q [illegible] affectibus
[illegible] sunt [illegible] alius [illegible] dispositoib [illegible] aut
[illegible] que influencie celestis [illegible] e qui [illegible]
adispositioe corporali [illegible] adispositioe [illegible]
influencia celesti [illegible] [illegible] nono [illegible]
q [illegible] sompnium [illegible] proueniens [illegible]
[illegible] sompnium [illegible]

[illegible] qd proueniet adispositioe corporali [illegible] sompnium [illegible]
[illegible] qd [illegible] sompnium [illegible]
proueniet ab influencia celesti [illegible] sompnium celeste [illegible]
[illegible] possunt diuinare de futuris [illegible]

[illegible]

repentatibus sibi in vita [illegible] Et ita [illegible]
[illegible] fantastica [illegible] sompniorum ita mirabilium [illegible]
[illegible] [illegible] mirabile [illegible]
[illegible] ~~ab~~amantibus [illegible]
[illegible] probabilis q [illegible] mirabilium [illegible] sompniorum
e potentia ymaginatiua [illegible] potentia ymaginatiua
[illegible] vigilie ymaginatur multa mirabilia 2 in sompno [illegible]
ymaginatiua e [illegible] impedita [illegible]
sompniorum ymaginatiue [illegible] sompnijs
[illegible] possunt diuinare
de futuris [illegible] sompnia [illegible] [illegible]

[illegible] gemelli [illegible]
[illegible] in masculo vita 2 [illegible] femella
[illegible] femella [illegible]

[illegible] vita in utroque [illegible]
[illegible] masculus [illegible] femella
[illegible]

[illegible]

opera vigilandi Et arguitur q non [illegible]

dormientes et vigilantes ... et ... quod ...
... quod non ... quod ... operantur ... vi-
gilando qui non sunt vigilantes ... et quod implicat ...
quod dormientes sunt vigilantes. Secundo sunt ... opera vigilando ...
... ... sunt ... quod dormientes non operan-
tur ... ... nocte ... dormi-
entes non ... nec ... ...
... ... opera ... ... sunt ... opera vigi-
lando ... nec ... ...
... ... corporis ... ...
... ... in sompno sunt ligati ...
... ... sunt ... ...
in sompno ... ... in dormiendo ...
... ... dormientes ... opera vigi-
[illegible]

[illegible]

Circa librum de longitudine et breuitate vite

[illegible]

[illegible]

ipse debilitatur calor quia animalia redduntur in potentia ad [illegible]
operationes vitales sibi debitas [illegible] et multum
[illegible] et ad ipse frigido et cetera [illegible] calidum
naturale corporis et ideo indigent calore extrinseco [illegible] calidum
corporis [illegible] de humido non videtur quod in temporibus [illegible]
plante arescunt et que sunt corrupta ipse defectu humiditatis
ad vitam requisite et sunt animalia bruta pereunt defectu
nutrimenti ad restaurationem deperditi sed humido requisito [illegible]
deficiente nutrimento tamen animalia [illegible] quod bruta de-
ficiant et ipse defectum humiditatis pereunt et moriuntur quia
secundum veritatem quod Beda [illegible] calidum et humidum sunt
[illegible] proportionata adinvicem quod sufficiunt [illegible]
[illegible] sunt cause longe vite [illegible]
allegata patet [illegible] Contra [illegible] declarandum
videtur quod tam calidum quam humidum que sunt cause longe
vite [illegible] multa ut sufficiant [illegible] sunt corrup-
tionis Beda requirit quod quanto calidum et humidum sunt adinvicem
proportionata quia si non essent adinvicem [illegible]
[illegible] calidum non excederet tunc [illegible] humidum
[illegible] si humidum non excederet [illegible] calidum
[illegible] huius vite quod longe [illegible]
[illegible] loquitur de calido
et humido [illegible] adinvicem proportionatis [illegible]
mors [illegible] Contra requiritur quod [illegible] humidum [illegible]
[illegible] aquosum [illegible]
[illegible]
[illegible] aquosa [illegible] sunt huiusmodi vite quod [illegible]
requiritur quod [illegible] humidum sit [illegible] sic quod non sit [illegible]
[illegible] et quod [illegible]
humido [illegible] que sunt huiusmodi vite quod
[illegible] quod calidum non sit [illegible]
[illegible] vivificare [illegible] digerere [illegible]
[illegible] et [illegible] humidum [illegible]
[illegible] animalia [illegible] laboriosa et [illegible] calor [illegible]
sunt huiusmodi vite quam [illegible] Pro isto requiritur quod [illegible]
non sit extrinsecum sed intrinsecum et naturale [illegible]
arguit [illegible] calor extrinsecus [illegible]
[illegible] huius vite [illegible] calor extrinsecus [illegible]
[illegible] ad [illegible] et [illegible] calor [illegible]
[illegible] et [illegible] calor [illegible]
et naturale indiget [illegible] calor extrinsecus [illegible] calor in-
trinsecus sunt minime debilitatur et ita [illegible] calor

intrinsecus indiget quidem refrigerio et cetera [illegible]
[illegible] excessus [illegible]
ubi [illegible] calor intrinsecus naturalis [illegible]
[illegible] et cetera [illegible] corpus [illegible] ab aqua
[illegible] naturalibus [illegible] quod non
omne calidum est causa longe vite sed calidum et humidum adinvicem
proportionata [illegible]
[illegible] calidum et humidum sunt cause longe vite Utrum ad
[illegible] sit [illegible] quare
[illegible] sunt huiusmodi vite [illegible]
que sunt ab umbilico deorsum [illegible] sunt ad
[illegible]
[illegible] frigidum [illegible] superfluitate
[illegible] venit [illegible]
[illegible] superfluitatem [illegible] debitam [illegible] digestionem
[illegible] sunt morbidi [illegible]
laborantes laboribus excessivis [illegible]
sunt huius vite [illegible] laborando
[illegible] membra animalis [illegible] calefiunt [illegible] motu locali
[illegible] et calefactio [illegible] et in talibus calor
[illegible] humidum [illegible] desiccatur [illegible]
[illegible] appetitum [illegible] humido [illegible]
[illegible] videtur quod magnum laborantem [illegible]
[illegible] potest
[illegible] et bibunt [illegible] quare est quod [illegible]
[illegible] in estate [illegible] venit [illegible]
[illegible] quod calor extrinsecus
[illegible] calor intrinsecus et naturalis [illegible]
[illegible] calor [illegible] putrefactio [illegible] calor
[illegible] et naturalis [illegible] putrefactio [illegible] calor extrinsecus
[illegible] putrefactio [illegible] humido de
[illegible] humido naturalibus et intrinsecis et bene adinvicem proportionato
[illegible] non sunt causa putrefactionis [illegible]
[illegible] ita [illegible] calido et humido adinvicem bene proportionatis
[illegible] arguit [illegible] calido excessivo et humido excessivo
[illegible] plantarum et
[illegible] aquosa [illegible] et non ita
[illegible] humido [illegible]
[illegible] sunt [illegible] vite [illegible]
[illegible] non sunt [illegible] vite sed propter calidum et humidum [illegible]
[illegible] sunt humidiores [illegible] aquea que
[illegible] huius vite [illegible] sicut humiditas
[illegible] humido [illegible] calido [illegible]
calor [illegible] excessivo [illegible] calido et humido

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bus ad impletionem generationis sicut tamen allegata patet circa principium
universali primi celi. Utrum calidum quod est causa longe vite
sit calidum igneum vel aereum
Arguitur primo quod dicatur esse aereum quia non est
calidum quod dicitur esse causa longe vite dicitur calidum humidum sed non est
calidum igneum patet quia calidum igneum non est humidum sed siccum
aliud patet quia calidum humidum est conservativum vite et per consequens calidum
quod dicitur esse causa longe vite dicitur esse aereum. Item id quod fit humidum secundum
... vite quod calidum quod dicitur esse causa longe vite dicitur esse
pinguedo modo aer est quod calidum aereum est pingue et non calidum
igneum ergo relinquitur quod calidum quod est causa longe vite esset aereum
et non igneum. Secundo ad idem naturalis locus naturalis dicitur esse principium sue
locacionis sed sic est quod nil vivit in igne sed multa vivunt in aere
ideo sequitur quod calidum humidum vite seu conservativum vite dicitur esse aereum
et non igneum. Tertio natura piscis naturaliter vivunt in aqua ...
et non viget calidum igneum ... quare frigidi ...
igitur humidum vite non dicitur esse calidum igneum. Quarto calidum
igneum est ... excellens ... quod consumit et
resolvit humidum et non est conservativum vite sed potius ...
... et per consequens calidum igneum non est causa longe vite sed causa longe
aereum. In oppositum arguitur probando quod calidum igneum sit causa longe
vite et hoc auctoritate philosophi assignantis causam quare calidum
causa longe vite dicit enim quod hoc est ... quia ignis non est putre-
factibilis quod ... vel causa non esset ... nisi calidum quod est causa
longe vite esset calidum igneum. Secundo philosophus tangit ... igne
qui non est putrefactibilis. Et ligna non putrefiunt in igne
sed potius resolvuntur ut docet experiencia. Et ... putrefiunt
... et conservantur in aquis sicut putrefacte quod in ... putrefit
et non ita diu durarent ... quod calidum igneum sit
causa longe vite et non calidum aereum. Secundo ad idem natura vite
continuatur per digestionem nutrimenti ... sed digestio
... nutrimenti non fit sed nisi per forte calorem ...
non possit obtinere ... nutrimentum resolvendo ...
... calor et potius ignis sive igneus quam aereus ... calidum
quod est causa longe vite est igneum et non aereum. Tertio ...
et vita ... calorem ... quia sit calor aereus ...
... calor quam sit calor aereus est calor igneus ... calidum ...
causa longe vite dicitur esse igneum et non aereum ...
... continue ... nos ... quiete ...
... dormiendo quod non faceret nisi vita requireret ... longe vite
calorem quam sit calor aereus ... calidum quod dicitur esse causa longe
dicitur esse igneum. Contra ... auctoritatem ...
... quod admittere ... ignis ut dicit quod sicut ...

nutrimento ad continue augeri ita ignis continue augmentatur per
apposicionem combustibilis quare sequitur quod calidum igneum sit magis conservativum vite
et non calidum aereum. Contra ita quod essent duo calidi
corpora videbuntur adversari in eo movebuntur contraria. Quarto
ad questionem ... notanda et sit ...
... quod calidum quod est causa longe vite
non est pure igneum patet quia pure igneum est consumptivum et per consequens
non conservativum ipsius humidi et ... causa corruptionis quam vite
... ad consumptionem humidi radicalis sequitur mors et corruptio animalis.
Secunda ... calidum quod est causa longe vite non dicitur esse pure aereum
quod id quod est causa longe vite dicitur esse aereum sed nullum pure aereum
... est causa longe vite ... notandum sit
... quod pure elementum non invenitur ... Tertia ...
... quod calidum quod est causa longe vite dicitur esse calidum ...
... duabus ... potius ...
calidum non dicitur esse pure igneum et ... non dicitur esse pure
aereum sed dicitur esse mixtum ... aereum et igneum ... et est proporcionale
... quod ... ignis ... aereum ...
... quod ... dicitur esse pingue et humidum
... dicitur esse bene digestum ...
... adquirit calor satis intensus. Quarta ...
calidum quod est principium vite aut longe vite non est igneum
... aereum sed quod ... quod sit principium causa
longe vite sed ex corporibus celestibus vel ab ipsa anima
... est ... calidi. In isto quod ...
... valde proporcionate sicut aqua
frigida et aqua calida ... in ...
... frigida quae non sunt sanabilia per ...
... sed ... diversitas ... ab
anima vel corporibus celestibus ... vel digestibus
... calidum ... quod ... sit dispositio diversitate ...
membrorum. Quarto ad ... locorum ...
... primo ... ad et omnibus ...
... ostendat ... calor naturalis
... quod vivat. Ad rationes ... dicitur primo quod ...
calidum et frigidum quia ... vita ... ad summa calidi
sicut est ignis calidissimus ... summa frigida sicut est frigiditas
glaciei ut satis notum est. Secundo dicitur quod omne vivens
... calor naturalis non solum ... ab ...
et ab ipsa anima ... digerere nutrimentum
... digestio nutrimenti non ...
... per antiperistasim. Secundo dicitur quod calor

nal' digestiue ad aia nobis cuius aial' e fortissimu
corde io abco duna calor nal' aquoia nobis cuius
aial' [illegible] q2 ro du[illegible] uelt oie vinces sit calid'
sim' sic q2 sic at plures [illegible] calid' quia frigid' qd'
[illegible] q2 aqua [illegible] sim' r z si addito [illegible] calid' z
q2 no qr multa sut vinca ut rane z pisces q [illegible]
adtactu frigida go vi q2 dut sim' [illegible] frigida [illegible]
dum [illegible] adquos q2 q vinca [illegible] frigid'
calit' io [illegible] in adtactu frigida [illegible] digestioi
[illegible] z aab operacos no [illegible] frigid' quos
[illegible] caliel' eib in [illegible] Clic [illegible] z probabr
q [illegible] sut [illegible] lapsi ad cali [illegible] ult' menti [illegible]
calid' z simie frit' [illegible] frigim videt' lig aer sit na
calid' z magie in estate [illegible] z ad [illegible]
refrigeriu sui caloris nal' [illegible] abac p eius [illegible]
[illegible] adqui in estate ad refrigeratos [illegible]
ad [illegible] suas [illegible] ul' aquis [illegible]
[illegible] q2 ca [illegible] calefact' qr [illegible]
calefat p' [illegible] objecto solis [illegible] q2 aer in
estate e [illegible] calid' quia [illegible] z io aer [illegible]
[illegible] z ad [illegible] no calefacit [illegible]
[illegible] Eue [illegible] q2 [illegible] no [illegible]
[illegible] nobis [illegible] frigidi ul' frigidas [illegible]
[illegible] medium [illegible] calidi z [illegible]
[illegible] q2 [illegible] sepe corrigit [illegible]
[illegible] q2 oib' sut [illegible] ar'le na
[illegible] calid' qd' e ca longe vite [illegible]
[illegible] aquas [illegible] acri [illegible] sut [illegible]
[illegible] calid' [illegible] [illegible] p' [illegible]
[illegible] sut [illegible] [illegible] [illegible]

[illegible] ca longe vite sit [illegible]
aqueu [illegible]

[illegible] aqueu [illegible] e [illegible] inflamabile [illegible]
[illegible] calor [illegible] z e [illegible] quae sit q2 [illegible]
sit [illegible] ca longe vite quia [illegible] aeu qd' e [illegible]
[illegible] ad id [illegible] qd' e [illegible] ca longe vite [illegible]
z [illegible] aqueu e [illegible] z no [illegible] aeu [illegible]
z [illegible] note [illegible] e [illegible]
e [illegible] z oc [illegible] eius [illegible]
na [illegible] qd' e ca longe vite [illegible] tale qr [illegible]
[illegible] membroz [illegible] e q2 [illegible]
[illegible] z ao' note [illegible] [illegible] [illegible]

[illegible] sola aq' e na' [illegible] sit na [illegible]
[illegible] z [illegible] [illegible] sic e q2 [illegible]
[illegible] go [illegible] si aer no e [illegible]
no [illegible] sic [illegible] sit na [illegible]
[illegible] sut [illegible] aquea [illegible] si oia vincaa sut
[illegible] z ic [illegible] note sit aer [illegible]
[illegible] ult' oia [illegible] sit [illegible] adoico [illegible]
na aque si no sut [illegible] adoico ut suppo' go [illegible]
aque z [illegible] aqueu [illegible] ca longe vite [illegible]
[illegible] q2 [illegible] aeu sit ca longe vite na [illegible] qd'
[illegible] ca longe vite [illegible] si sic e [illegible]
aero z no [illegible] aqueo go [illegible] aeu e ca longe vite
z no [illegible] aqueu [illegible] z ao' note sut [illegible] qr [illegible]
aeu e [illegible] si qr [illegible] sit [illegible] in aq' [illegible]
[illegible] z [illegible] calois
[illegible] sit [illegible] qd' e ca longe vite [illegible] calid' z no
fac' [illegible] aeu e [illegible] z no aqueu [illegible]
z [illegible] note sut aer [illegible] qd' e ca longe vite aial
[illegible] mors eius [illegible] sit na [illegible]
q2 [illegible] sic longioris vite [illegible] z in
[illegible] aquea go [illegible] aqueu
[illegible] e ca longe vite si [illegible] aeu [illegible] quae
[illegible] duo [illegible] monebu'
dubia z [illegible] Citu' ad [illegible] q2 [illegible]
[illegible] sit [illegible] z [illegible]
[illegible] sicut ad [illegible]
[illegible] sit si [illegible] qd' e ca longe vite net
[illegible] aqueu ut sim' aeu [illegible] q2 no sit sim'
[illegible] q2 [illegible] sit sim'
[illegible] qd' e ca longe
vite [illegible] aeu z [illegible] aqueu si q2
[illegible] aquas aque [illegible]
[illegible] qr [illegible] qd' e ca longe vite ut sim' e aeu
[illegible] aqueu [illegible] aut sit [illegible] aeu
[illegible] q2 [illegible] aeu z [illegible]
[illegible] qd' e ca longe vite [illegible] aeu z [illegible]
[illegible] qd' e ca
[illegible] vite [illegible] ut [illegible] sit [illegible]
sit [illegible] suffer [illegible] aeu z [illegible]
[illegible] cum [illegible]
vite [illegible] Certa [illegible] qd' e ca longe
[illegible] aeu ul' aqueu [illegible] q2 [illegible]
[illegible] ul' [illegible] q2 [illegible] sit ca longe vite [illegible]

hic est prima ratio [illegible] vineti aere [illegible] humidum nec aeribus [illegible] lapidibus nec ab influentiis propter hoc quod vinea sunt [illegible] proportionata [illegible] partibus [illegible] vineti [illegible] [illegible] ad calidum [illegible] ad [illegible] que [illegible] non [illegible] possit salvari [illegible] ad salvandum [illegible] ponit quod hic [illegible] ab ipsa aere aut [illegible] corporibus celestibus et ab influentiis. Ultima [illegible] sunt vinea que magis humidat [illegible] aquea et [illegible] que magis humidat [illegible] aerea propter hoc quod [illegible] aerea plus viget in vinetis [illegible] ut [illegible] et apud [illegible] et humiditas aquea plus viget in vinetis [illegible] implantis [illegible] in aquaticis animalibus [illegible]

Tertio [illegible] [illegible] pro dubio [illegible]

quod [illegible] [illegible] in vinetis. [illegible] quod consistit humidum et aqueum consistit [illegible] quae humiditas [illegible] in vineti non [illegible] calor et [illegible] humidum [illegible] calor [illegible] intensior [illegible] signe [illegible] dispositio [illegible] summe calidum et [illegible] humidum. [illegible] calor in vinetis consistit humidum et non consistit [illegible] aere [illegible] aer sit calidum et humidum. [illegible] quod [illegible] humidum et humiditas quod sit humidum [illegible] [illegible] ut [illegible] sit [illegible] aer [illegible] humiditas non [illegible] sic [illegible] seu [illegible] [illegible] in [illegible] qui sunt [illegible] [illegible] quod humidum consumi [illegible] [illegible] [illegible] per [illegible] evaporare [illegible] [illegible] [illegible] [illegible] [illegible] possit consumere [illegible] in [illegible] [illegible] humidum subtiliare et alienare sic quod [illegible] ascendat et non [illegible] [illegible] [illegible] quod [illegible] [illegible] ad [illegible] humiditas in vineti [illegible] evaporationem ipsius humidi calefacti [illegible] et alienatur. [illegible] [illegible] quod in [illegible] sunt [illegible] et humiditas [illegible] ascendit calidus et humidus [illegible] ad suo [illegible] et [illegible] maneat [illegible] calor [illegible] quod [illegible] [illegible] calor [illegible] [illegible] in [illegible] toto [illegible] [illegible] evaporationem et

[illegible] [illegible] corporis vineti [illegible] [illegible] humiditas [illegible] et ascendendo [illegible] non [illegible] [illegible] et ascendo [illegible] humidum salvatur. [illegible] [illegible] [illegible] fortis ei in agendo [illegible] [illegible] [illegible] resistendo [illegible]. [illegible] sicut dicitur est de calore vineti [illegible] [illegible] est [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] igneus [illegible] et ibi [illegible] [illegible] de calore. [illegible] [illegible] quod [illegible] quod calor in vineti est intensior quam naturalis aeris et [illegible] [illegible] calidi sit subtiliare et alienare humidum calor in vineti alienat humidum in vineti [illegible] quod [illegible] [illegible] sit ascendere in aere sic [illegible] calor [illegible] [illegible] [illegible] calor elevat [illegible] [illegible] ipsum ascendere in aere [illegible] calor corporis vineti facit humidum evaporare [illegible] ascendere in aere et [illegible] a corpore vineti [illegible] calor naturalis [illegible] qui non est ita [illegible] aut fortis [illegible] [illegible] subtiliando [illegible] levitate aeris et [illegible] non facit aere aut [illegible] [illegible] sursum in aere [illegible] [illegible] evaporare [illegible] [illegible] calor vineti [illegible] humidi [illegible] [illegible] [illegible] quod omnibus probat quod humidum [illegible] est [illegible] longe vite [illegible] [illegible] probat [illegible] [illegible] [illegible] longe vite [illegible] aqueum [illegible] [illegible]

Utrum habitantes in regionibus calidis debeant

[illegible] longioris vite quam habitantes in regionibus frigidis [illegible] quod non [illegible] ubi est fortior [illegible] ipsius vineti [illegible] brevior vita [illegible] in regionibus calidis est fortior [illegible] [illegible] humidi quam in regionibus frigidis [illegible] [illegible] [illegible] humidi [illegible] in [illegible] [illegible] in regionibus calidis humidi [illegible] [illegible] calor [illegible] [illegible] [illegible] vita [illegible] [illegible] est [illegible] fortior putrefactio est brevior [illegible] in regionibus calidis est [illegible] non frigidis [illegible] [illegible] putrefactio [illegible] ad [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] est [illegible] putrefactio [illegible] quod in regionibus calidis [illegible] [illegible] [illegible] in regionibus calidis est fortior [illegible] putrefactio [illegible] [illegible] [illegible] [illegible] alii sunt vite longioris [illegible] sunt [illegible] maioris et melioris dispositionis aut [illegible] [illegible] habitantes in regionibus frigidis sunt [illegible] [illegible] [illegible] [illegible] notest

hoc est quia [illegible] ꝑfrigidates Et videmus [illegible] sup
teutonicos sunt [illegible] et [illegible] quam ipsi partes
australes Et ꝑt avicenna quod homines habitantes in
frigidis sunt longe vite Tertio sic autem avicenna in
libro de anima dicit quod maior resolucio contingit accidit
in ethiopia homines quod non vivunt ultra triginta annos
quare sic quod habitantes in regionibus calidis sunt brevioris vite
quam habitantes in frigidis Contra oppositum arguitur autem aristoteles Quod alia
est quod arbores in suis ꝑtibus [illegible] quod frigiditas dispergit
ad putrefactionem et ꝓpter hoc ad corrupcionem non putreo est ita in vita
Secundo arguitur quod ad duracionem vite non in vita
animalis est calor conservans in eodem animali sed sic est quod calor
naturalis melius conservatur in regionibus calidis quam in frigidis
[illegible] Tertio sic non dicit [illegible] quod multa animalia
[illegible] conservantur et vigent in estate corrumpuntur in yeme
[illegible] non videtur [illegible] nisi quod caliditas est causa conservacionis vite
animalis et ꝓpterea frigiditas est causa mortis quare sic quod in
regionibus calidis est longior vita quam in frigidis
[illegible] hoc [illegible] universitatibus [illegible]
[illegible] quae [illegible] quod [illegible] Quinto adducitur
in [illegible] quod [illegible] expleta
[illegible] adqua animalia [illegible]
magni et [illegible] caloris naturalis
et [illegible] magne stature [illegible] sunt homines equi [illegible]
Secundo notandum quod [illegible] non est [illegible] penetrans calor
sed quando non [illegible] sup caliditate animal conservat [illegible]
naturale [illegible] causa animal et [illegible] quod ꝓpter
quod frigiditas [illegible] caliditate [illegible] por [illegible]
[illegible] et clauditur sic quod naturalis calor interior [illegible]
animalibus non [illegible] sed [illegible] vivit [illegible]
fortificatur quod [illegible] vita est foras [illegible] dispergitur
[illegible] in frigidis [illegible] ut dicit media quod in
ventres tempore [illegible] et in yeme sunt calidiores quam in
estate [illegible] frigiditatem [illegible]
[illegible] et fortificatur calor naturalis [illegible]
frigidis [illegible] homines plus [illegible]
in yeme quam in estate [illegible] est quod in yeme calor naturalis
est [illegible] dictum quam in estate Et [illegible] septentrionales
[illegible] quae [illegible] septentrionales [illegible]
in regionibus frigidis plus comedunt et melius digerunt
quam habitantes [illegible] partes australes seu in regionibus calidis
[illegible] quae [illegible] non [illegible]
[illegible] in yeme sunt calidiora quam in estate non [illegible]

[illegible] frigiditatem [illegible] medium caliditate [illegible]
[illegible] ab aqua putri [illegible] ab aliis [illegible]
[illegible] Tertio notandum animalia habitantia [illegible]
[illegible] naturale [illegible] sunt animalia [illegible] non habitantia
[illegible] sunt [illegible] et [illegible] tempore calido
[illegible] non ꝓpter opera vitalia [illegible] tempore
frigido sicut tempore calido ut [illegible] tamen
animalia [illegible] tempore frigido [illegible] non [illegible] in [illegible]
~~[illegible]~~ calor naturalis intrinsecus est [illegible]
[illegible] sufficit [illegible] frigiditate medium penetratur et [illegible]
quod calor naturalis intrinsecus [illegible] frigiditatem
medii non [illegible] calor naturalis [illegible]
talia animalia [illegible] et [illegible] non moriuntur
manent [illegible] non [illegible] opera vitalia [illegible] Quinto
adducitur [illegible] sit [illegible] quod animalia
multi caloris et magne stature sicut
homines equi [illegible] sunt [illegible] longioris vite in regionibus
frigidis quam calidis [illegible] Et [illegible]
[illegible] quod ad duracionem vite calidum naturale conservat [illegible]
[illegible] melius conservatur ꝓpter frigiditatem caliditate non [illegible]
[illegible] non penetrante [illegible]
[illegible] non possit accidit conservare [illegible] regi
one multum calida calidum naturale [illegible] multi caloris
[illegible] medii [illegible] Secundo [illegible] animalia
[illegible] caloris naturalis [illegible] sunt [illegible] seu
sunt longioris vite et [illegible] in regi
onibus calidis quam frigidis sic sunt [illegible]
[illegible] quod talia ut visum est in [illegible]
[illegible] vivere tempore multum frigido et non [illegible] opera
vitalia sic quod [illegible] tendunt [illegible] quod [illegible] sequitur
quod talia melius conservantur in regionibus calidis quam frigidis Et
[illegible] quod [illegible] partes australes ubi viget intensa caliditas
[illegible] magni [illegible] non [illegible] caliditate [illegible]
[illegible] partes septentrionales ubi viget frigiditas Et ita
[illegible] multa animalia [illegible] venenosa [illegible]
[illegible] partes septentrionales [illegible] non est [illegible] ut videtur
et [illegible] talia animalia sunt longioris vite et melius conservantur
[illegible] in regionibus calidis quam frigidis Tertio quod animalia
[illegible] in regionibus [illegible] ut [illegible] plurimum sunt longioris vite
[illegible] habitantibus in regionibus [illegible] calidis et
[illegible] regiones [illegible] sunt [illegible]
[illegible] animalis quam in regionibus [illegible] caliditate et
[illegible] quod [illegible] talia animalia sunt melioris [illegible]

p3 qᵗ q complexio malis q consistit in calido admixta debite
ꝓportionib' na alteri corporis correspondente modo ſcᵐ extendit
Dicebatur nomine ut impleantur na ca ho na vi [illegible]
[illegible] fiat facile conceptio [illegible] qualibus ꝯ sanguineis
2 pauca caloris q' et indiget caloris continua admixtio
Et ut Aristotiles [illegible] impossibile vbi de [illegible]
[illegible] sunt multum audaces [illegible] necessitatem calor
cordis si no sunt bn prudentes Septentrionales vo sunt valde
prudentes ut mercatores 2 alij aliqui status si no sunt
audaces Et subdit nos aut sumus sicut medij in
sunt sufficienter discreti 2 audaces 2c sicut dignum est [illegible]
toto non Respondit [illegible] solutio [illegible]
2 ad primum [illegible] non [illegible]

Tertio adaptando [illegible] regionibus
[com]plexio vero habitantes [illegible] regionibus

frigidis 2 siccis sunt longioris vite q' habitantes in regionibus frigidis
[illegible] frigidis 2 humidis [illegible] q' habitantes in regionibus
2 siccis sunt [illegible] longioris vite 2c [illegible]
2 [illegible] magna [illegible] frigi [illegible]
[illegible] sit [illegible] in regionibus frigidis 2 [illegible]
[illegible] frigidis 2 siccis [illegible] humiditas [illegible]
[illegible] Cum [illegible] vero habitantes in regionibus
frigidis 2 siccis sunt longioris vite q' habitantes in [illegible]
2 siccis [illegible] q' sit [illegible] in ethiopia [illegible]
[illegible] vivunt [illegible] centum annis sunt [illegible]
[illegible] caliditas 2 siccitas et [illegible] vite [illegible]
ethiopia no e [illegible] caliditas q' [illegible]
[illegible] radicale [illegible] consumpto seu [illegible]
e [illegible] Dicebatur nomine [illegible] frigide e [illegible]
q [illegible] sunt frigide 2 humide [illegible] quibus [illegible]
[illegible] complexio [illegible] habitantes in regionibus frigidis [illegible]
[illegible] habitantes in regionibus calidis [illegible]
q' frigiditas e [illegible] albe [illegible] q' ad frigiditatem [illegible]
albedo [illegible] ad [illegible] in regionibus [illegible]
[illegible] complexio [illegible] habitantes in regionibus [illegible]
[illegible] capillos [illegible] in ethiopibus [illegible]
q' [illegible] capilli [illegible]
2 [illegible] 2 sunt [illegible] complexio [illegible] in loco fri-
pauca caloris [illegible] melius [illegible] in loco
[illegible] calido [illegible]
[illegible] corpus [illegible] 2 densius [illegible] in loco
[illegible] melius [illegible] sibi [illegible] de loco calido q' in loco

frigido [illegible] in loco frigido [illegible]
[illegible] frigidus [illegible] et [illegible]
[illegible] 2 densius melius [illegible] in loco frigido
[illegible] in loco frigido calor naturalis
[illegible]
[illegible] habitantes in regionibus calidis 2 [illegible]
[illegible] in ethiopia sunt longioris vite q' [illegible]
[illegible] sunt frigide 2 humide [illegible] aquosa [illegible] in
[illegible] calida 2 sicca [illegible] 2 frigida [illegible]
[illegible] medium [illegible] 2 siccitate [illegible]
regionis [illegible] 2c sunt [illegible]
[illegible] q' [illegible] regionibus 2 [illegible] sunt longioris
vite [illegible] dicitur q' sunt
[illegible] in [illegible] Utrum complexio sanguinea [illegible]
[illegible] sit longioris vite

Et arguitur q' sic [illegible]

complexio e longioris vite q [illegible] assimilatur [illegible] vite [illegible]
complexio sanguinea e [illegible] 2 [illegible] sunt [illegible]
[illegible] sanguinea complexio consistit de calido 2 humido [illegible]
[illegible] ut [illegible] complexio e longioris vite
[illegible] mortis [illegible] sanguinea complexio [illegible]
[illegible] sunt [illegible] complexio sanguinea e calida
2 humida [illegible] 2 [illegible] Et [illegible] sunt
frigiditas 2 siccitas [illegible] q' complexio sanguinea [illegible]
[illegible] mortis [illegible] 2 [illegible] probatio q'
complexio sanguinea sit [illegible] vite na complexio sanguinea
[illegible] putrefactionem [illegible] vite [illegible]
[illegible] putrefactio [illegible] 2 [illegible] [illegible]
sanguinea complexio e calida 2 humida [illegible] assimilatur [illegible]
[illegible] sicut [illegible] e [illegible] calidum [illegible]
[illegible] putrefactionem [illegible] q' complexio sanguinea [illegible]
vite [illegible] complexio e [illegible]
[illegible] e passibilior [illegible] complexio sanguinea e [illegible]
[illegible] passibilitas [illegible] passio [illegible]
[illegible] actio [illegible] complexio
[illegible] longioris vite [illegible] q' complexio colerica
[illegible] vite na [illegible] complexio [illegible] longioris vite
[illegible] putrefactionem [illegible] complexio colerica e [illegible]
[illegible] sunt [illegible] complexio colerica e calida 2 sicca
[illegible] complexio [illegible] putrefactibile [illegible] elementa e elementa
[illegible] complexio [illegible]

Et longioris vite quam viri [illegible] et talis est nobilior sed complexio colerica
est huiusmodi [illegible] gracia et natura sunt hoc ergo quia complexio colerica
appropinquat ad nobilissimum elementum scilicet igneum et quia [illegible]
ad aquo aliorum elementorum appropinquat et ideo carent [illegible]
mentis saltem in tribus sicut complexio colerica et ita est nobilior
Et quod ad id dicitur quod in animalibus est membra colerica ergo ipsa est
calidi et sicci et cor inter cetera membra cuiuslibet animalis est longioris
vite ergo et colerica complexio erit longioris vite quam sanguinea
hoc ergo patet per Parisiensem in libro de animalibus dicentem quod in ma-
tre vivit et ultimum moritur. Contra ad argumentum probando quod complexio
colerica sit brevioris vite quia ut dictum est colerica complexio est multum
de calido et paucum de humido et propter hoc humidum tale a calore
et facilius consumitur sed mors naturalis provenit per consumptionem humidi
ideo sequitur quod complexio colerica sit brevioris vite. Deinde arguitur quod
flegmatica sit longioris vite quia ut dictum est flegmatica complexio est
multum de humido et paucum de calido et propter hoc humidum non tam
facile consumitur quare sequitur quod talis complexio que consistit in frigiditate
assimilatur complexioni aque que est longioris vite. Contra ad
argumentum probando quod complexio flegmatica sit brevioris vite quia sic arguitur
calidum quod est causa longe vite deficit multum seu in magna quan-
titate in complexione flegmatica est modicum de calido quia assimilatur
aque quare sequitur quod complexio flegmatica non est causa diuturnitatis
vite. Secundo ad id dicit Aristoteles quod animalia masculina sunt
longioris vite quam feminina saltem in eadem specie sed feminina
animalia appropinquant ad complexionem flegmaticam quia sunt frigide et humide
ergo sequitur quod feminina sunt brevioris vite quam masculina in eadem
specie [illegible] earum frigiditatem et humiditatem cum ergo complexio flegmatica multum
[illegible] causa brevioris vite. Deinde arguitur probando quod complexio
melancolica sit longioris vite quia [illegible] complexio dicitur causa longioris
vite que magis resistit sed complexio melancolica est huiusmodi
quia non ad actionem [illegible] quia complexio melancolica est frigida
et sicca ad ipsam assimilatur complexio terre sed frigiditas et siccitas
sunt magne resistentie ut postea declarabitur in IV meteororum
Vnde per experientiam videmus quod lapides et lateres sunt valde diu-
turne durationis propter eorum resistentiam et sic probatur quod complexio
melancolica sit magne resistentie et per consequens longioris vite
seu maioris durationis quia ipsa non est ad actionem [illegible]
corruptionis [illegible] multa sunt [illegible]
Contra ad argumentum probando quod ipsa sit brevioris vite [illegible]
[illegible] vite et ubi sunt propinqua mortis et senectutis ibi est brevioris
vite sed sic est de complexione melancolica [illegible]
sunt [illegible] quia complexio melancolica est [illegible]

frigida et sicca sed frigiditas et siccitas sunt propinqua senectutis et mortis
ergo etc. Ad ista [illegible] in primo ponitur [illegible]
atque [illegible] in secundo [illegible] videbitur in quarto meteororum completa

Queritur adhuc utrum [illegible] quod
inter [illegible] medicorum [illegible]

[illegible] duo temperamenta [illegible] unum [illegible]
temperata [illegible] quot sunt [illegible] continue [illegible]
unum [illegible] quot sunt aliqua [illegible]
[illegible] est medium inter calidissimum et frigidissimum [illegible]
[illegible] et quanta frigiditas [illegible] temperatum [illegible]
[illegible] temperatum adinvicem [illegible] de aquo
[illegible] quanto [illegible] ad inventionem [illegible]
[illegible] operationes [illegible] debitas [illegible]
[illegible] temperata [illegible] non est temperata in [illegible]
[illegible] est temperata et non est temperata in [illegible]
complexio que est temperata [illegible] non est temperata in [illegible]
[illegible] operationes naturales [illegible] in homine quia
[illegible] non solum [illegible]
[illegible] una complexio que est temperata [illegible] est temperata
[illegible] in [illegible] membra [illegible]
[illegible] que est temperata [illegible] non est [illegible]
[illegible] ut si tanta frigiditas esset [illegible]
[illegible] membro [illegible] non posset [illegible] operationes
naturales sibi debitas [illegible] si membro esset tanta caliditas
[illegible] non posset [illegible] opera-
tiones naturales [illegible] debitas [illegible]
[illegible] elementorum scilicet complexio sanguinea
colerica flegmatica et melancolica [illegible] sanguinea
est calida et humida [illegible] est humidus et calidus
[illegible] quia complexio colerica est calida et sicca [illegible]
[illegible] calidus et siccus [illegible] quia complexio flegmatica est frigida et humida
[illegible] aque que est frigida et humida [illegible] melancolica
[illegible] terre que est frigida et sicca [illegible]
[illegible] quod complexio sanguinea [illegible]
[illegible] elemento [illegible] appropinquat [illegible] alicui elementi
[illegible] complexio sanguinea [illegible] calida
[illegible] sic quod non appropinquat [illegible] alicui elementi [illegible]
[illegible] complexiones optime
[illegible] imaginatur in [illegible]
[illegible] membri [illegible]
[illegible] complexiones optime [illegible]
[illegible] complexio [illegible] attendere ad
[illegible] dicitur [illegible]

sanguinea. Et si nimis accedet ad frigiditatem et siccitatem dicitur
tunc complexio melancolica. Et ita secundum istas complexiones dicitur
homo secundo vel in comparatione unius partis ad aliam quia aliquod individuum
videmus cuius una pars plus dicitur colerica in comparatione ad aliud
individuum alterius partis quia est nimis calidum et siccum. Vel potest
secundum complexionem sanguinea dici comparatione ad individuum alterius partis
quia est nimis calidum et humidum ita proportionaliter secundum istas dicitur
homo tertio vel in comparatione unius membri ad aliud eiusdem individui
quia ipsum cor in corpore animali plus dicitur colericum quia est nimis calidum
et siccum quam cerebrum. Secundo patet quod complexiones [illegible]
penes lapsum a [illegible] dispositione vel comparatione
membri ad aliud eiusdem speciei. Tertio patet quod quanto
complexio fuerit nobilior tanto ipsa erit longioris vite ut videtur
in vivente quod complexio fuerit nobilior sicut est perfectior ut videtur
que sit longioris durationis. De quo ponitur quod quia
est sicut si dicitur quod species est data complexione temperata a qua nobiliter
salvatur in ea speciei patet quod si separatur a qua vivente
vivens est optime disposita ad exercitium operationum sibi
debitarum. Igitur complexio est nobilissima [illegible] patet quia
quia sic igitur vivens non possit exercere operationes sibi debitas quia
cum non est temperata. Secunda pars patet quia quanto ad complexiones lapsa
sit ipsa quanto aliquando complexio nimis accedit ad complexionem temperatam
tanto est nobilior patet quia quanto nimis accedit ad complexionem temperatam
tanto vivens perfectius potest exercere operationes vitales naturales sibi
debitas. Et hoc est verum quamvis non simpliciter et ambo. Patet istud dicitur
quia postquam sunt aliquae duae complexiones quae equaliter accedunt ad
complexionem temperatam quare tunc erit nobilior. Sed quia complexio sanguinea
dicitur calida et humida sed si equaliter accederet ad aliam ad complexionem
ad complexionem temperatam adhuc erit nobilior patet quia plus habundat
principiis vite scilicet calidum et humidum aliam et nimis deficiunt in
principiis et causis mortis utputa de frigiditate et siccitate quam
[illegible] quam ad complexionem sed quadam
quo patet ultimo quod complexio melancolica est ignobilissima
quia habundat de principiis mortis scilicet frigiditate et siccitate et deficit
de principiis vite. Consequenter comparando complexionem flegmaticam
ad colericam ipsa colerica est nobilior quia habundat [illegible]
et siccitate quod nimis sunt principia vite quam frigiditas et humiditas
aquea quibus habundat complexio flegmatica. Et est advertendum
quod omnia predicta sunt intelligenda comparando complexionibus sicut [illegible]
sunt pari scilicet equaliter excessu ad complexionem temperatam
vel recessu equaliter quia plus habet complexio melancolica
nobilior sanguinea data vel danda ut dato quod sic
[illegible] nimis deficiunt tunc esset nimis lapsa ab [illegible]

temperata quam melancolica ut satis patet [illegible] Quintum ad
articulum tertium sit hec prima quod non optime
complexio [illegible] nobilior est longioris
durationis patet quia [illegible] natura complexio quedam est nobilior
sit complexio [illegible] in [illegible] ratio [illegible]
[illegible] quod multa animalia bruta et plante sunt longioris durationis
quam homines. Secunda quod [illegible] etiam [illegible] quanto complexio est
nobilior tanto est durationis longioris [illegible] quanto complexio nimis
accedit ad complexionem temperatam tanto ipsa est longioris durationis
[illegible] quanto nimis accedit ad complexionem
temperatam tanto est nobilior et hoc [illegible] et ambo [illegible]
[illegible] Tertia quod complexio sanguinea
[illegible] sit ceteris paribus est longioris durationis quam aliqua
alia patet quia [illegible] ceteris paribus [illegible] complexio
sanguinea [illegible] ceteris paribus [illegible]
nimis [illegible] vite [illegible] sunt caliditas et humiditas [illegible]
[illegible] complexio sanguinea consistit. Quarta quod [illegible]
[illegible] ceteris paribus complexio colerica est longioris
durationis patet quia [illegible] colerica nimis [illegible] ad
principiis vite quam aliqua alia. Et hoc verum quia non dubium patet quia
complexio colerica consistit in caliditate et siccitate que sunt principia nimis
[illegible] vite quam [illegible] complexio [illegible] Et [illegible] ipsa
sit longioris durationis quam complexio flegmatica [illegible]
quia plante que sunt calide et sicce sunt longioris durationis
quam plante que sunt frigide et humide. Quinta quod [illegible]
sanguinea et [illegible] colerica complexio flegmatica ceteris
paribus est longioris durationis patet quia [illegible] nimis
[illegible] ad principiis vite quam complexio melancolica nam complexio
flegmatica consistit in frigiditate et humiditate melancolica in
frigiditate et siccitate. Et principia vite sunt caliditas et humiditas
[illegible] totum [illegible] patet [illegible] quod complexio
melancolica ceteris paribus [illegible] est brevioris durationis
patet quia [illegible] deficiunt principia vite et habundat de principiis mortis
scilicet de frigiditate et siccitate. Sexto [illegible] ceteris
paribus complexio sanguinea est longioris durationis deinde colerica
deinde flegmatica deinde complexio melancolica est brevissima.
[illegible] ad articulum tertium sit [illegible]
[illegible] possit corrumpere
se [illegible] quod nihil corrumpitur se nisi [illegible] pars
[illegible] et [illegible] corrumpit [illegible]
et [illegible] corrumpit [illegible] toto [illegible]

pilla no tpe dulsa mem cip aial tpe [illegible]
mebrorum aq no qrab pit tamen nutrio se crupe
vna alterat z indispot aq zeste crudepit [illegible]
se morb aial Cum qplitd unp forarp fit [illegible]
sbstie vna pt crupe aq Est q sic no aq calefit
pmoto calefacete reducendo se ad ppriam frigiditatem vel
pona forag pura modicam frigitem z opsicte [illegible]
mat eiq equus aq calefac no sic calida crudepit
aq forag et [illegible] opsicte puta calitem Vnde qualibet
Vtrum calitas pt crupe sint aut sepu fat ad aquam
Est [illegible] lendo calitas no crudepit [illegible] qz no est
qria ut repugnas [illegible] applicat ipsud sus crupe
calefando [illegible] subtiliat aut lenificat ipsum corpus
[illegible] requa sbtilacon a lenificacon [illegible]
[illegible] mo sursu evaporando z equalando z [illegible]
motu applicat forte [illegible] aqua crupe [illegible]
qplitd quo z aqua crupi [illegible] cadere [illegible]
[illegible] candele [illegible] cadere [illegible] lendo no
crudepit se [illegible] gimne [illegible] candela [illegible]
male lenitate [illegible] aq [illegible] aq
[illegible] abeo ac crupe [illegible]
debet gimne [illegible] cessat [illegible]
z crupi abat [illegible] ercl actio [illegible]
eius ignis [illegible] aq crupi [illegible]
[illegible] candele [illegible] no aq [illegible] calefit [illegible]
lendo [illegible] calida z [illegible]
q crupe [illegible] ab aqua no [illegible] calitem [illegible]
[illegible] Vnde [illegible]
[illegible] solutos [illegible]
Vtrum vita possit
sine calido [illegible]
sit no omnia vivencia sunt simpliciter frigida animalia que
[illegible] calido qua no [illegible] aq sunt animalia que
[illegible] frigidus [illegible] animalia sunt simpliciter frigida
qua [illegible] nutrito [illegible]
[illegible] animalia [illegible] ab aq z terra [illegible]
elementi simpliciter frigida Scdo sit na plante sit vivencia
z vita sit [illegible] calido [illegible] qz [illegible] plante [illegible]
frigide [illegible] caliditas z [illegible]
caliditas utriusque possit sentiri sine [illegible]
e qz plante vivit vita vegetativa Tercio sit na [illegible]

animalia
vita [illegible] puta a quibus [illegible] simpliciter frigide
sine calido qua [illegible] vivit ut
nota e de crebro ossibus et nervis [illegible] simpliciter
frigida Quarto sit ante conciliatoris [illegible] a ara
poneclis [illegible] lane a yeme [illegible] manet
[illegible] congelacon sit qz no movet locatur z [illegible] aque
vivit [illegible] vita pt stare sine calido [illegible] statt
[illegible] forti congelacone qz [illegible] calitas [illegible]
[illegible] Quinto sit omne [illegible] crupe a suo [illegible] crupe
[illegible] calidi ab animalibus pene
[illegible] animalia venenosa sunt simpliciter frigida
[illegible] crupent [illegible] animalia [illegible] vita
pt stare sine calido [illegible] ante [illegible] z conciliatoris
[illegible] sunt [illegible] vite [illegible] defectibus [illegible]
[illegible] Ad decisioem istius questionis z visiōe
[illegible] sit
Vtrum [illegible] ad vivens qui [illegible] calitem
[illegible] Ad [illegible] calitas Scdo sit Vtrum sit [illegible]
[illegible] vivens [illegible] simpliciter sit calidum ita qz [illegible]
[illegible] calitas [illegible] frigiditas [illegible]
[illegible] sit a ita [illegible]
[illegible] vivens [illegible] qui habeat aquam calitem [illegible]
[illegible] calitas [illegible] ante [illegible] z sui conciliatoris [illegible]
[illegible] sunt [illegible] vite [illegible] impossibile e [illegible]
[illegible] qui habeat aquam [illegible] calitas [illegible] vivens
[illegible] corpore [illegible] nota
[illegible] simplicibus
[illegible] elementorum [illegible]
[illegible] z [illegible]
Corrupt [illegible] manet [illegible]
[illegible] elementorum [illegible] elementorum
[illegible] ante
[illegible] medium [illegible]
[illegible] simplicibus [illegible] simplicibus [illegible]
[illegible] forag [illegible]
[illegible] caliditas
[illegible] calitas [illegible] vivens [illegible]
[illegible] digestioe
[illegible] vivens [illegible]
[illegible] crupe [illegible] Tercio [illegible]
[illegible] vivens crupe [illegible] et

cuapoâcoꝫ ꝯuidr accalidos q calid e intrinsecu uiq
uuietis ſc̃ ga q ẽ cruptio ꝑ ſicō recepcionꝫ ſz gn̄
alacōꝫ ꝯuidr accalidꝫ ut dau e ul ꝑuicōꝫ calorib
ꝯuido no paduſam ſi uq ẽ calor ſeu ꝯdꝫ calidꝫ
debꝫ uuicte ſc̃ quibꝫ ꝯiatu q uaꝑ uuictis cruptiō ap̄d
ſibi intrinsicos Quto ꝛ ulēro ſe uq uuictia quiqꝫ
cruptiōe ꝑꝫ excessiua frigi te no oiue qꝫ crupti
aſuo ꝯno ꝯrupti ugr ſc̃ q ia q ſe ꝯrupiur ꝑꝫ ꝑc
ceſſiaꝫ frigi te ſiue calida ul ſalſa ꝑuit aque ꝯꝫ
calit ꝑꝫ q ia qoꝫ obiat̃ na ꝯequo uq ꝑꝫ uuicte
ꝑſuiur eoꝫ q̃teꝫ ꝑuic uꝫ ꝯpa qoe ꝑta ul ꝛ ꝯ
ſe ꝑducte adꝯpautu ul no ꝑꝫ ꝯ ꝯsufficiē duiꝯ
ſi dicar ꝑꝫ ſc̃ q ꝯ uuictis naꝑ poſſ crupti ul ſalte
naꝑ cruptiōe abintrinsicos q una caꝑ q̃ te no agit
d aꝫ ad ſe admediu ꝯpautu ꝑducte Si uo obtinet
ꝯuio ſe ad ꝯpautu mediu ꝑducte tuc una obtinet
uiꝫ ſup acꝫ ſie q ait aoiꝫ actiuꝫ ꝑꝫ ꝯ ad ꝯſiſtē
ut ſe frigitaꝫ et ſoꝯi dauꝯ ꝯ obtinet ꝯ ꝯſiſtē
ꝛ ꝑꝯuꝫ ipaꝫ cruptiōe calite ad ꝯpacōne aoi ꝯ
ſit aco quāc ꝑꝫ q ꝯiqi calite cruptia ſtalt ꝯ
ſu calido ꝑi ſuſtinetꝯ qoꝫ ꝑuta ꝑuta q ꝯ
ſcta ꝑſuppoſt uiꝫ ꝑꝫ ſꝫ q quiꝫ excessꝯ ꝯ ꝯ ut
ſup acꝫ ꝯuale acquit ꝯrecte uel ꝯ q e ꝑꝫ ut
ꝑꝫ uided ꝯ ꝯ ꝯuiſioꝫ ꝑꝫ ꝑpugnācia ꝛ ꝯtaꝫ q̃
ꝑuct ꝯ ꝑꝫ q̃ ꝑꝫ tot ꝛ caloꝫ ꝯdui ſie q
ꝑꝫ ꝯ e ꝯ q̃ te ꝑꝫ ſimul ꝛ ſcd d aoꝫ ꝑꝫ ſalte
ꝑmanēti ꝯ tot ꝛ tanto ꝯdꝫ ꝑꝫ no ꝯ calit
tuc frigi te ꝯra ut ſatis ꝑꝫ detꝯpido ꝑ ſe
cuiꝫ ꝯictaꝫ oꝫ q uiꝫ ambaꝫ ꝯ ꝯcedꝫ ꝯ
ꝯdui ſimul latitudis uuiꝫ caꝑ ꝯ adꝯ ꝯ
ꝯ eoꝫ q̃ taꝫ ſut ſic adꝯpautu mediu ꝑducte ꝯ
caꝑ e d ſūma uiꝫ ꝑꝫ una caꝑ ſic ꝑꝫ obtinet ꝑ
ſup acꝫ q ꝯat pluꝯ ꝯdꝫ ſup acꝫ q ad caꝑ ꝑ
ꝯꝯt no ſc̃ q ꝯat ag̃ d ul ipaꝫ cruptiōe q̃ ut
ꝯꝫ e no quiꝫ ꝑꝫ excessiꝫ acquit ꝯrecte ꝯ
ꝯ oꝫ oiue uuictꝫ ꝑꝫ pluꝯ ꝯdꝫ calit ꝑꝫ ꝯ
ꝑꝫ q̃ q rane d ꝯeme ꝯgelate uiut ꝛ ꝑꝫ aoꝫ ꝑꝫ
aoꝫ frigitaꝫ q calitꝯ ꝛ qo ꝯa ꝯua ꝑꝫ ꝯ ꝯ
ꝑꝯuectaꝯ ꝛo d ꝯa ut ſupiꝯ allegatu e ꝯ
q ꝑꝫ d ꝑꝫ calit ꝑ no ꝑut ꝯcꝯa opacoꝫ uitales
ꝑꝫ debitaꝫ ꝯuꝫ opacoꝫ uitales ꝯ ꝑ

quas diſſolunt ꝑꝫ aqꝫ ſit uuictꝫ ul no ſꝫ aqꝫ ꝑꝫ
opacōꝫ ꝑueniunt Cōtra qo calitaꝫ uuictis na̅ ꝛ ꝑꝫ
diſpoita e ſeꝯ iucorde d aiaꝫ ꝑꝫ ꝑꝫ coꝫ q ꝯ
aꝑꝫ ꝛ aiaꝫ no ꝑꝫ ſalte ꝯpate ad ꝯa uiꝫ aia
ꝑꝫ qo q taꝫ po ꝯ ꝑꝫ uite no ꝑꝫ e ꝯdꝯ intro
qꝫ ꝑo ꝑuiuit ꝑꝫ incorde aut ꝑꝫ ꝯginale cordi ſit ſeꝯ
calitaꝫ uuictꝫ i qo ꝯa Cōtra qo aduita no ſufficiat
calitaꝫ ꝯtrinſica ſi ꝯuidr calor nal intrinſicꝫ ꝑꝫ q
aduita uuictꝫ oꝫ intrinſicꝫ diſſicꝫ ut diſꝑga ꝛ diſtribua
ꝑ ſimilaꝫ ꝑtꝫ aial ꝛ ꝑꝫ decoqua que no ꝑut ꝯ
ſꝫ ꝑcaloꝫ ꝯtrinſicaꝫ ꝑ ꝑcaloꝫ intrinſicaꝫ nale i qo
ꝯ Coquibꝫ oibꝫ ſe ꝯ ꝯ ꝑꝫ adqſitu liꝫ uita
poſſ ſtare ſꝫ calido ſic q uuictꝫ poſſ ꝑmanere ſi q
ꝯ ꝑꝫ pluꝯ ꝯdꝫ calit ꝑꝫ ꝯua frigitaꝫ ꝑꝫ ꝯ ꝑꝫ
e ipꝫ ꝑmane ꝛ ꝯ uuictꝫ ſꝫ ꝯ calit ꝑꝫ ꝑꝫ ꝯ
relaꝯ ꝑꝫ ꝑꝫ qoꝫ ꝛ ꝛa ꝑꝫ ꝑꝫ ꝛ ꝑꝫ ꝯ ad
ꝯſitu Adꝯoꝫ adꝑmā ꝯ aoꝫ intrinſecꝯ ipaꝫ aditu
ꝑꝫ q ſut oino ſꝫ calite Adꝑꝫ ꝯ adꝑꝫ ꝯ
ꝯ ꝑꝫ ꝯ q ꝑꝫ aialia intrinſꝯ amintuꝯ qꝫ plꝯ
ꝯ ꝯ q altꝯ eleūti et ꝯ adꝫ aialia intrinſꝯ
ꝯintiꝯ qꝫ plꝯ ꝑcipit naꝑ acꝫ q altꝯ eleutiꝯ
ꝯ ꝯ ꝯa adꝑoꝫ ꝯ q no oꝫ uq ꝑꝫ no ꝑcipit
ꝯ q̃ teꝫ ꝯ q te ſui organi ꝑꝫ no ſentiuꝫ
ſimꝯ calidꝫ ꝑt ſimꝯ ꝑꝫ ꝑ organi ꝯ e caliꝫ ul
frigidꝫ ꝛ ꝑꝯuꝫ no ſentiuꝫ uiꝫ calidꝫ ul uiꝫ ꝑꝫ
ꝯ forte ꝯcedit q te uꝫ organi Adꝯa ꝯ ad
ꝯ q ꝯgi ꝑꝫ no ſut ſimꝯ frigide ꝑ ꝑꝫ ſoꝫ ꝯpate
adꝯoꝫ ꝑtꝫ cuiꝫ aial Adꝯa ꝯ ꝯa adꝑoꝫ ꝯ
ꝯ dr q ꝯgi ꝑꝫ ꝯgelacꝯ no tollit tota ca
ꝯ talitꝫ ꝑ ꝯgi rane no ſufficiūt ꝯcꝯe opacōꝫ ꝯ
ꝯ i de taꝫ ꝑꝫ caloꝫ nale ipaꝫ uiꝫ ꝯiuiſſe
Adꝯuꝫ ꝑ calor nal ꝯforte ꝑcaloꝫ ꝯtrinſicaꝫ ſꝫ ipꝫ medꝫ
ꝯ ꝑꝫ q no ꝯ ꝯa q q aialia uenenoſa d ſiaut
ꝑuct ꝯ ꝯ ꝑꝫ ꝑuct ꝯ frigit ꝑꝫ ꝯgi aialꝫ ꝑ
ſꝫ cuittut ſimꝯ altꝯ nale ꝛ ꝯdicōꝫ ipoꝫ aialiu uenenoſoꝫ
ꝯſpiraꝯ ꝑ abhoie ꝑꝫ i topicat ꝯ d ſiaut acꝫ q
ꝯ ꝑꝫ ꝑꝫ intecat ꝛ ꝑꝫ ꝑꝫ ꝛ ꝑut ſatiꝯ
taꝫ allegata ipꝫ ꝯ ꝛ ſui ꝯuectatoꝫ
d creuo ꝯ ꝛc

[I]ncia libri de re-spiratione et inspiratione.

[D]e respiratione et inspiratione quaeritur primo utrum omnia animalia pulmonem habentia et sola talia respirant sive debeant respirare. Et arguitur quod non, quia multa sunt animalia aquatica habentia pulmones quae non respirant ... quia respiratio non fit propter refrigerium caloris naturalis ... ad talia animalia continue sunt in aqua ... possunt sufficienter refrigerari. Secundo ... quia ranae et balaenae ... animalia pulmonem habentia et tamen non respirant ... [illegible]

[illegible]

... et caloris naturalis ... [illegible] ... inspiratio ... attractio aeris ... [illegible] ... refrigerium cordis vel caloris ... respiratio ... inspiratio ... emissio aeris ... [illegible]

[illegible]

stata suffocaretur quia ille aer qui attrahitur non refrigeraret ipsum
cor sed magis calefaceret Dicendum tamen utrumque quia ipse [illegible] quia
melius calido intrinseco quam frigido extrinseco vel aliter frequentius
spirat quia ille aer qui attrahitur est frigidior quam ipsum cor et ideo
melius refrigerat sed cito corrumpitur et aqua attrahitur [illegible]
aer quare ideo magis calefaciunt frequentius respirat quia ille aer
magis calefit propter calorem actualem Quintum quia licet quando
[illegible] non sit ita tamen respirando [illegible] ad tamen aqua
est frigidior aere Dicendum quia aqua est magis grossa et densa [illegible]
[illegible] et ideo non sic ita cito moveri [illegible]
[illegible] sic aer quia [illegible] vellet cito respirare [illegible]
aqua est magis frigida [illegible] et ideo sic statim constringere calorem
naturalem [illegible] quia omnia [illegible] pulmonem sunt [illegible] aer
et non aquae et ideo quia [illegible] sunt eis frequenter [illegible] pulmonem
quam aqua [illegible] Certum [illegible] quia si aqua [illegible] in animalibus [illegible]
[illegible] tunc in aqua [illegible] impediret [illegible] non
non possent simul [illegible] et impediret digestionem [illegible]
[illegible] sua frigiditate Tertio quaeritur quare rane [illegible]
[illegible] tempore hiemali non respirant et si respirant [illegible]
[illegible] tamen rane [illegible] pulmonem [illegible] pulmo est [illegible]
in [illegible] aerem recipere et rana [illegible] calorem
[illegible] sit aer satis frigidus et tempore quo [illegible]
[illegible] [illegible] movetur et [illegible]
[illegible] adrefrigerandum cordis [illegible] pulmonem
ad hoc [illegible] calorem naturalem [illegible] intensum et non pulmonem
[illegible] Tertio [illegible] utrum [illegible]
respirant [illegible] quia [illegible] aqua non [illegible] sufficiens [illegible]
[illegible] pulmonem [illegible] branca [illegible]
[illegible] et [illegible] quod sunt aquatica animalia quae non [illegible]
[illegible] aquam sicut pisces et [illegible] aqua et [illegible]
[illegible] quia pisces [illegible] pulmonem [illegible]
attrahere aerem elevant caput supra aquam sicut [illegible]
[illegible] Decimo [illegible] branchias [illegible]
quam [illegible] pulmonem et branchias [illegible] usque ad cor [illegible]
cor non branchie [illegible] non [illegible] usque ad cor [illegible]
[illegible] et melius quam [illegible] pulmonem [illegible]
Et [illegible] quia cantant [illegible] non cantant sed [illegible]
[illegible] Decimo [illegible] quia apes non respirant [illegible]
quam cantant [illegible] sonum [illegible] quia sonum [illegible]
[illegible] et non [illegible] Decimo [illegible] quia [illegible] pisces [illegible]
pulmonem [illegible] respirant [illegible] tamen diu vivunt [illegible]
quam [illegible] est [illegible] quia [illegible] pisces [illegible] calorem naturalem [illegible] et [illegible]
sic quod ipsi non indigent refrigeratione [illegible] tempore

[illegible] vivit [illegible] tempore non indiget refrigeratione [illegible] [illegible]
[illegible] Utrum plante et [illegible] animalia [illegible]
[illegible] sufficientis [illegible]
[illegible] caloris naturalis
[illegible] vel [illegible] Et [illegible] quod non [illegible]
[illegible] est calidum non est sufficiens refrigerativum calidi [illegible]
[illegible] [illegible] est calidum [illegible] quia calidum
non refrigerat calidum [illegible] quia ubi [illegible] sic plante
[illegible] est medium [illegible] non aer [illegible] est calidum
[illegible] et [illegible] calidum [illegible] plante
[illegible] deficiunt et [illegible] tempore in [illegible]
refrigerationi [illegible] quia tunc [illegible] ingeniasse [illegible]
[illegible] quia [illegible] refrigeraret plantas et
animalia [illegible] tunc tamen deficeret calor naturalis
[illegible] refrigeratio [illegible] quod non [illegible]
[illegible] caloris naturalis [illegible] et [illegible]
[illegible] caloris naturalis quod est [illegible] ipsius [illegible]
[illegible] refrigerat calorem naturalem
[illegible] diminuit et [illegible]
[illegible] non [illegible] aqua [illegible]
calide Certum sic [illegible] non est [illegible] caloris naturalis
[illegible] est [illegible]
[illegible] sunt calide [illegible] non est [illegible]
calidi [illegible] quia [illegible] alteratur
[illegible] Notandum [illegible] in
libro [illegible] quod non [illegible]
[illegible] animalibus [illegible]
[illegible] in 2o [illegible] in 3o [illegible]
[illegible]
[illegible]
[illegible] sit difficile [illegible] sibi assimilare [illegible]
[illegible] quia si [illegible] sic [illegible]
[illegible] non agit in suum simile [illegible]
[illegible] sibi [illegible] assimilare [illegible] naturalem [illegible]
[illegible] medium [illegible]
[illegible] medium [illegible] est [illegible] calidum [illegible] sit ipsa animalia
[illegible] non medium [illegible] est [illegible] calidum [illegible]
[illegible] medium [illegible] calefacit
[illegible] sufficienter [illegible] calidum
[illegible] calidum [illegible] vel [illegible] tamen
[illegible] refrigerat [illegible] calidum [illegible]
non agit in suum simile [illegible] procedo

aqu(a) recepta cotidie i(n)clusa i(n)t(er)ius et calida tu(n)c ea aq(ua)
calida emittit calide. Ad t(er)tiu(m) dicitur q(uod) a(n)i(m)alib(us) q(ui)
hab(ent) pulmone(m) fit (con)ti(n)ue refrigeriu(m) caloris na(tura)lis attr(ac)
t(i)o(n)e (et) expellacio(n)e aeris sic et in piscib(us) p(er) branchas (con)
ti(n)g(it) (et) q(uod) bra(n)che i(n) piscib(us) aqua(m) r(ecipiunt) sic aer
(et) s(u)b a(n)te c(ordi) (et) in u(n)a vena (con)ti(n)ua i(n)ter ... bra(n)
q(ue) e(st) ... (et) i(n) ...tas q(ua)tuor venas (et) i(n) q(ui)b(us) aq(ua)
...apis i(n) ista magna vena ... aer tu(n)c sa(n)guis ve(ni)t
frigid(us) qui sa(n)guis refrigerat cor (et) ... q(uod) a(n)i(m)alia
n(on) sicut a(n)i(m)alia h(abe)n(t)ia pulmone(m) statim suffocant(ur) si se
i(n) modico ae(re) sic (et) pisces s(tat)i(m) p(ere)u(n)t ext(ra) aqua(m) ...
Et ca(usa) ... a(n)i(m)alib(us) h(abe)n(ti)b(us) pulmone(m) ... attract(i)o(n)e refrig(er)
al motu(m) ... aer n(on) suffic(it) ...
cor ... (con)formit(er) ... piscib(us) ...
q(ui) sic vid(em)us q(uod) h(abe)n(ti)b(us) pulmone(m) ... pulmo ... bra(n)che
... (et) ... tu(n)c ad mort(em) ... bra(n)che
piscib(us) sic ... (et) ... tu(n)c pisces ...
Et ca(usa) e(st) ... a(n)i(m)alib(us) h(abe)n(ti)b(us) pulmone(m) q(ui)a ... pulmo e(st) ...
... tu(n)c ... ...

Ad t(er)tiu(m) ad a(rticu)l(u)m ... sit ... frig(us)
q(ui)a plante (et) a(n)i(m)alia ...

...ca n(on) ... suffic(iu)nt refrigeriu(m) ... na(tura)lis ...
... q(ui)a ... calefa(ci)u(n)t q(uod) ...
... sit ... ...
... refrigerac(i)o(n)e ... calid(us) ... p(ro)p(ter) d(e) estate ...
sunt calida na(tura)l(ite)r ... i(n) ... mu(n)d(i) ...
calite aeris ... plante (et) a(n)i(m)alia ...
... suffic(iu)nt refrigeriu(m) caloris na(tura)lis acq(ui)rit ...
medium e(st) ita ... disposit(i)o(n)e q(uod) ... suffic(iu)nt ... refrigera(re)
calore(m) na(tura)le(m) ... q(uod) ... p(ro)p(ter) d(e) se ...
... plante (et) a(n)i(m)alia ... refrigera(n)t ...
... i(n) ... plant(a)e ... pla(n)ta
... plante ... e(st) frigid(a) ... pla(n)ta
... n(on) ... a(n)i(m)alib(us) ...
... corp(us) aq(ue) e(st) calid(um) aq(ua) frigida ...
... plante (et) a(n)i(m)alia ... suffic(iu)nt ...
frigid(um) caloris na(tura)lis ... n(on) ...
... frigitas corp(or)is ... p(ro)p(ter) ... calitat
... n(on) ... calitas ... frigitas ... q(uod) ... calitat
corp(us) ... tu(n)c calor na(tura)lis corp(or)is ... p(ro)portio(n)e
... frigitas ... tu(n)c calor na(tura)lis ... ...
Hoc e(st) ... q(uod) ... plante (et) ad a(n)i(m)alia ...

...nt respirant p(ro)p(ter) q(uo)d respirac(i)o n(on) deseruit nisi ad refrigeriu(m) caloris
na(tura)lis ... plante (et) a(n)i(m)alia ... suffic(iu)nt refrigeriu(m)
caloris na(tura)lis ... respirac(i)o(n)e. Ad t(er)tiu(m) ad a(rticu)l(u)m ... sit ...
... q(uo)d ... e(st) q(uod) ... al ...
... pulmone(m) ... n(on) ... plus
inspirare ... (et) ... q(ui)a ...
inspirat fortit(er) tu(n)c pulmo e(st) eleuat(us) ...
n(on) ... aer ... ...
q(uod) aer ... ...
... tu(n)c n(on) ... inspirare ... tu(n)c ... na ...
... fortit(er) ... tu(n)c pulmo e(st) ...
... n(on) ... inspirato(r) ... e(st) ...
... vid(em)us de folle. ... a(n)i(m)alia ... pul
... meli(us) ... q(uam) ... q(uod) ... meli(us)
q(uod) aqua frigidior q(uam) aer ... p(ro)p(ter) ...
q(uod) a(n)i(m)alia ... pulmone(m) meli(us) (et) suffocacio(n)e ... refrigeriu(m)
... q(uod) ... sicut dicte i(n) 2o ... ...
Et tu(n)c ad a(rgumentu)m ... q(uod) aqua e(st) ...
refrigeriu(m) ... n(on) e(st) ... q(uod) e(st) frigidior q(uam) aqua ...
... q(uo)d ... estate
i(n) yeme ... calor na(tura)lis e(st) fortior i(n)
yeme q(uam) i(n) estate ... refrigerio ... calida
... sit fortior i(n) yeme q(uam) i(n) estate ...
... respirare i(n) estate q(uam) i(n) yeme ... i(n) estate aer
inspirat(us) valde cito calefit q(ui)a modica ... frigit(as) et
... cito (con)pellar(e) ... frigidior ... i(n) yeme
... n(on) e(st) sic eo q(uod) tu(n)c n(on) ... cito aer inspirat(us) calefit
... p(ro)p(ter) ... refrigerare calore(m) na(tura)lem ut ...
... ad p(ri)ma(m) ... q(uod) ... e(st) ... pt ... calid...
calidi(us) q(uod) ... al suffocare ut ...
... magis ... refrigeriu(m) ... n(on) ... re
... calor na(tura)lis ... (et) ... ...
... q(uod) ... refrigerare ... i(n)sunc
... (et) tu(n)c ... (et) n(on) refrigerat ...
... i(n) ... e(st) ... ipse ... (et) tu(n)c
... calore(m) na(tura)le(m) ... e(st) ... hoc
a(rticu)lo.
... a(n)i(m)alia calidiora ... na(tura)
... (et) ...
calidis (et) frigidiora
... frigidis ... q(uod) n(on) na ... suo ...
... q(uod) ... n(on) ... n(on) ...
... a(n)i(m)alia sit ... i(n) locis ... q(ui)b(us) ...
... Hoc ... q(uod) ... a(n)i(m)alia ...

decrescunt in aere calido et hoc naturaliter quando [illegible] ut [illegible] sicut [illegible]
et siccibus quia patet quia etiam animalia que sunt calida non [illegible]
[illegible] non decrescunt habitantes in aere. Tertio sic scilicet quod animalia
sanguinem habentia non decrescunt habitantes in aqua non quando est [illegible]
multum piscibus quia patet quia animalia habentia sanguinem sunt calida
aqua autem est frigida. Quarto sic scilicet quod homines septentrionales
decrescunt habitantes in meridie quando [illegible] ut [illegible] complexionem quod quia
quia sicut dicit philosophus in problematibus homines septentrionales sunt
calidiores quam homines meridionales et in septentrione est regio fri-
gidior quam in meridie [illegible] est philosophus [illegible] libro [illegible]
[illegible] non [illegible] [illegible] de [illegible]
de isto dubio. Circa [illegible] [illegible] primo [illegible]
quod vitales operationes [illegible]
[illegible]
operantur [illegible] naturales [illegible] [illegible] [illegible] quod potest [illegible]
[illegible] vel aeri naturale [illegible] vitales operationes [illegible] [illegible]
Secundo notandum quod animalia [illegible] sunt [illegible] [illegible]
ad quod [illegible] calor naturalis sufficiens [illegible] operationes
vitales [illegible] [illegible] caloris [illegible] [illegible] [illegible] [illegible] vitales
quod non [illegible] calor [illegible] sufficiens ad [illegible] operationes vitales
[illegible] caloris [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] et [illegible]. Tertio notandum quod [illegible] [illegible]
[illegible] [illegible] et longitudo vite [illegible]
[illegible] [illegible] [illegible] attestatur [illegible] [illegible]
[illegible] quia [illegible] [illegible] [illegible] [illegible]
Circa [illegible] [illegible] [illegible]
[illegible] multa animalia [illegible] [illegible]
habitantibus in aere calidiora [illegible] [illegible] [illegible] piscibus [illegible] [illegible]
sunt calidiores naturaliter quam [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] attestatur magna [illegible] [illegible] [illegible]
[illegible] piscibus quam [illegible] animalibus [illegible] [illegible] [illegible]
[illegible] piscibus sunt [illegible] quam [illegible] [illegible] [illegible] [illegible]
et longius vivunt et [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] multa animalia [illegible] [illegible] [illegible]
animalibus aquaticis sunt calidiora [illegible] multis piscibus [illegible]
[illegible] et bovibus sunt calidiores [illegible] [illegible] [illegible] [illegible] [illegible]
habitantes in aere [illegible] [illegible] attestatur magna [illegible] piscibus
[illegible] [illegible] [illegible] [illegible] quia [illegible] piscibus [illegible] [illegible]
[illegible] non omnia animalia calida [illegible] [illegible] calidis [illegible] [illegible]
frigida [illegible] [illegible] quia homines multis piscibus sunt calidiores
[illegible] et [illegible] et bovibus et [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
Circa [illegible] animalia habentia sanguinem ad operationes
[illegible] naturaliter [illegible] habitare de locis [illegible] [illegible] [illegible]

sic quod calida de calido frigida de frigido [illegible] [illegible] naturaliter [illegible] animalia
[illegible] habitant in locis [illegible] sunt [illegible] [illegible] [illegible] [illegible]
[illegible] et in locis [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
non [illegible] [illegible] [illegible] [illegible] [illegible] regio [illegible] loca
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] sit [illegible] [illegible]
[illegible] autem animalia frigida dato quod [illegible] [illegible] calorem
sufficientem ad [illegible] operationes vitales non [illegible] habitare de locis
frigidis [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] loca [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] quod [illegible] [illegible] [illegible] sit ita fortis quod posset
[illegible] [illegible] loca [illegible] [illegible] [illegible] [illegible] habentia sanguinem
sufficientem et hoc [illegible] [illegible]. Circa [illegible] [illegible] animalia
[illegible] [illegible] [illegible] calorem naturalem [illegible] sufficientem ad
[illegible] operationes vitales nisi fortificaretur [illegible] [illegible]
[illegible] [illegible] habitare in locis [illegible] [illegible] [illegible] et hoc naturaliter
quia [illegible] [illegible] [illegible] animalia moriuntur [illegible] [illegible] [illegible]
[illegible] animalia non naturaliter habitant de locis [illegible] non [illegible] [illegible]
permanere [illegible] [illegible] [illegible] [illegible] ad [illegible] [illegible]
[illegible] [illegible] de loco [illegible] frigido
[illegible] non [illegible] [illegible] [illegible] quia [illegible] calor naturalis [illegible]
[illegible] et [illegible] animalia indigent [illegible] [illegible]
[illegible] [illegible] [illegible] loca et hoc [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] animalia [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] naturaliter [illegible]
[illegible] calido et habitant in loco calido [illegible] quia [illegible] [illegible]
habitant [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] calida et loca calida [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] non [illegible]
[illegible] [illegible] [illegible] [illegible] ad [illegible] [illegible] ad est [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] loca [illegible]. Circa
[illegible] [illegible] [illegible] [illegible] [illegible] corporis locati [illegible] [illegible]
[illegible] [illegible] loca et [illegible] [illegible] [illegible] quod non [illegible] loca [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] nisi [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] complexionem [illegible] [illegible]
[illegible] Resolutive [illegible] est [illegible] quod [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] sibi [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] loca [illegible] [illegible]
[illegible] sibi [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
Secundo notandum quod [illegible] [illegible] [illegible] [illegible]

[illegible]

Circa initium libri de morte et vita queritur

[illegible]

[illegible]

qualit(er) accidit et dimittet corp(u)s in(fir)mu(m) ... mortal(is)
q(ui) adq(ui)ri(tur) p(ro)cedit a p(ri)ncipio ... Quinto ad(huc)
... videt(ur) e(sse) v(er)us d(e) morte na(tura)li
sit aliquis dolor p(ro)p(ri)us nonu(m)
q(uod) dolor contra(ri)a delectac(i)o(n)i ca(us)ando dolo(rem) ...
corp(or)is vel a(n)i(m)e lic(et) dolor sit p(ro)p(ri)a pa(ssi)o corp(or)is et tristicia
sit pa(ssi)o a(n)i(m)e Sed(ecim)o nonu(m) delectac(i)o ...

[illegible]

fantasmata(m) ... sp(ecie)s ... phi(losophu)s ...
... fantasmata ...
... fortes e sapie(n)tes ...
debilit(er) ... et corp(u)s Sedo suppo(n)o q(uod) q(ua)nto aliquis
... tanto ...
... no(n) p(otes)t alib(us)
... suppo(n)o ...
... Certo nonu(m) ...
... medioc(ri)t(er) ...
... Quarto suppo(n)o
q(uod) q(ua)nto aliquis ...

[illegible]

[illegible]

Utrum putrefactio fiat a calido extrinseco vel a frigido intrinseco

[illegible]

sunt putrefactibilia patet quia nihil est putrefactibile nisi ab [illegible]
superat [illegible] comparatum [illegible] Secunda quod putrefactio sit
similiter ab eo quod est corruptio caloris intrinseci per calorem extrinsecum
est [illegible] notum est [illegible] Tertio [illegible] putrefactio
sit vel a frigido intrinseco vel a frigido extrinseco vel a
calido intrinseco vel a calido extrinseco [illegible]
[illegible] Primo quia non [illegible]
in vincit calidum extrinsecum obtinet dominium super frigidum
intrinsecum [illegible]
[illegible] quia calidum intrinsecum [illegible] apud putrefactionem [illegible]
quod fiat a calido extrinseco. Tertia quod putrefactio sit magis a ca-
lido intrinseco patet quia [illegible] quia [illegible] sunt putrefacta
frigida [illegible] est signum quod frigiditas intrinseca obtinet dominium
super calorem ut dictum est [illegible] caelo [illegible]
[illegible] putrefactio sit a calido extrinseco et a frigido in-
trinseco [illegible] Circa [illegible]
est primo notandum quod octo modis res putre-
factibiles preservantur a putrefactione. Primo
est [illegible] Et [illegible] est quia frigidum [illegible] vincit et [illegible]
[illegible] illius corporis [illegible] calidum naturale non fit [illegible]
quod calidum est preservativum a putrefactione. Et [illegible]
[illegible] de regionibus frigidis sunt longioris vite quam in calidis
quia in eis calidum naturale est fortius. Secundo patet quare
[illegible] in hieme melius preservantur a putrefactione quam in estate.
Tertio modo res putrefactibiles preservantur a putrefactione per motum
[illegible] ut videmus quod aqua quieta vel stagnans citius pu-
trescit quam aqua mota [illegible]
[illegible] aquae [illegible] sibi applicatur [illegible]
motu calidum intrinsecum fortificatur. Quarto modo preservantur per
forte et intensum calidum intrinsecum. Et [illegible] quia calidum
intrinsecum est fortius [illegible] obtinet
dominium super frigidum et fit [illegible] Quinto per
forte [illegible]
est [illegible] forte ad [illegible] difficilius [illegible]
[illegible] quod [illegible] manent [illegible]
[illegible] putrefactionem. Sexto [illegible]
[illegible] quia [illegible] tanto melius [illegible]
[illegible] intrinseca [illegible]
[illegible] putrefiunt [illegible]
insufficientia [illegible]
[illegible]
[illegible] Septimo per forte [illegible]

[illegible] calidum intrinsecum non fit [illegible] Septimo [illegible]
[illegible] non [illegible] sit [illegible]
[illegible] putrefactio [illegible] lignum madefactum. Octavo [illegible]
[illegible] ablatione corporis putridorum [illegible] putrefactibile
[illegible] non [illegible] corpus est [illegible] multe putredines
sibi [illegible] putrescit. [illegible]
[illegible] ut dictum est in [illegible] caelo [illegible]
quod [illegible] est a calido intrinseco [illegible] est de
calido [illegible] non est [illegible] calido [illegible]
[illegible] ut [illegible]
[illegible] apud putrefactionem [illegible]
[illegible] calidum [illegible] putrefactivum [illegible] fiet putrefactio
magna [illegible] est a calido intrinseco [illegible] non [illegible] calido
[illegible] per oppositum est [illegible]
[illegible] sit [illegible]
[illegible]
non quia putrefactio [illegible] primo [illegible] corruptio [illegible]
[illegible] ubi dictum est quod putrefactio est corruptio
[illegible] putrescit. Secundo [illegible] non omne [illegible]
[illegible] primo [illegible]
putrefactione [illegible] non [illegible] ut notum
[illegible] nobile [illegible] nobilius [illegible]
[illegible] patet [illegible] est nobilius
[illegible] animalia [illegible] putrefactione
[illegible] non [illegible]
[illegible] videmus quod [illegible] propagatione [illegible]
[illegible] putrefactione [illegible]
ut [illegible] est [illegible] animalia
[illegible] putrefactione [illegible] non est [illegible]
[illegible] animalia [illegible] sunt [illegible]
[illegible] animalia [illegible] patet quia putrefactio est corruptio [illegible]
[illegible] libro [illegible]
[illegible] videbitur [illegible]
[illegible] animalia [illegible] putrefactione [illegible] animalia
[illegible] propagatione sunt [illegible] videbitur
[illegible] frigidum [illegible] putrefactibile a putrefactione [illegible]
[illegible] est notandum quod putrefactio [illegible] sunt
[illegible] res putrefactibiles
putrescit [illegible] animalibus
[illegible] quia calidum extrinsecum [illegible]

[illegible]

[illegible]

aut pz qr intensa frigiditas [illegible] calid[illegible] [illegible]
[illegible] [illegible] [illegible] frigus [illegible]
sz penetrab[illegible] [illegible] penetrab[illegible] [illegible]
[illegible]

Utrum balnea conferat [illegible]

[illegible]

qr ba[illegible] n[on] [illegible] ad digestionem [illegible] calor [illegible]
[illegible] digestio[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Circa materiam

Super metheororum

Queritur primo .v.

Utrum metheorologicas impressiones … [illegible]

[illegible]

Primus articulus

[illegible]

[illegible]

2nd opinio [illegible]

[illegible]

Secundus articulus

[illegible]

[illegible]

Tercius articulus

[illegible]

Quartus articulus

[illegible]

[illegible]

Queritur v

1 [illegible]

2 [illegible]

3 [illegible]

4 [illegible]

5 [illegible]

[illegible]

Primus articulus

[illegible]

Secundus articulus

[illegible]

[illegible]

Tercius articulus

[illegible]

[illegible]

Queritur V

[illegible]

[illegible]

Primus articulus

Secundus articulus

Primus angelus

[illegible]

Secundus articulus

[illegible]

Tercius articulus

[illegible]

Quartus articulus

[illegible]

Tercius articulus

[illegible]

[illegible]

Primus articulus

[illegible]

Secundus articulus

[illegible]

[illegible]

[illegible]

[illegible]

Dignitati extra [illegible] ... [illegible]

[illegible]

... [illegible] capitulus

[illegible]

Istagdus elementa ... sunt que ... [illegible]

[illegible]

[illegible]

Tertius articulus

[illegible]

Secundus articulus

[illegible]

Tertius articulus

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Primus articulus

[illegible]

[illegible]

[illegible]

Secundus articulus

[illegible]

Tercius articulus

[illegible]

[illegible]

Primus articulus

[illegible]

Secundus articulus

Quod est de caliditate et pt de frigiditate. Utrum motus celi sit causa caloris

... ignis in speram suam ... superioris. Et arguitur ... motus

localis non est causa caloris ... sit id quod est causa frigiditatis non est causa caloris ... motus

localis ...

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] in solvendo predictam dubitationem suppo-
[illegible] media regionem [illegible] et supremam regionem aeris [illegible]
[illegible] aer [illegible] distancia circa
[illegible] distancia ab igne. Et vocatur [illegible] medium [illegible] aeris
[illegible] aeris. Et ille aer qui
est infra medium [illegible] aeris [illegible] inferior regio aeris [illegible]
est super vocatur suprema regio aeris ita quod totus [illegible]
[illegible] dividitur [illegible] inferiorem mediam et supremam [illegible]
[illegible] medie regionis aeris 2o [illegible]
[illegible] medie regionis aeris [illegible]
[illegible]

[illegible] media regio aeris [illegible]
[illegible] vapores calore solis elevati [illegible]

[illegible] media regio aeris [illegible]

[illegible]

[illegible] regionis aeris [illegible]
[illegible] aer sit [illegible] densus [illegible] reflectitur [illegible]
[illegible] de calore [illegible] ad [illegible]
[illegible] aer [illegible] non valeat [illegible]
[illegible] sol et aer [illegible] inferior [illegible] calidior [illegible] aer
[illegible] calor [illegible] aeris inferioris [illegible]
[illegible] solis [illegible]
[illegible] et obumbracionem [illegible] sol [illegible]
[illegible] aeris inferioris [illegible] aer [illegible]
[illegible] frigiditatem medie regionis aeris [illegible]
vapores frigidi [illegible] sol [illegible] suprema regionis
aeris [illegible] valde calida ab igne [illegible]
[illegible] suprema regione aeris [illegible]
[illegible] vapores [illegible] media regione [illegible]

[illegible]

[illegible]

[illegible]

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[illegible]

... et illi exhalationi calor advenit, tunc incorporatur quod sit valde alte
ascendere et est tunc de calore quod sit repulsu sit ambulare per media regionis
aeris usque ad supremam et quoddam exhalationem per eius inflammationem generantur
impressiones ignite. Secunda autem exhalatio congregata contra frigori vel vinc-
itur et ideo non sit elevata conglobata nec propter eius ...
... nec sic incorporata calor nec aer ...
... [illegible]

[illegible]

Et cum dicebatur non potest ita alte elevari sicut ad locum ubi generantur impressiones [illegible]
[illegible] dico quod primo [illegible] et elevatur [illegible]
[illegible]

[illegible]

impressiones sequitur non debeant apparere in celo quia celum non est receptivum talium impressionum ergo tales impressiones non debent apparere in celo et [illegible] ut tales impressiones sunt in celo sed magis in aere ergo non apparent in celo cum res magis debeat apparere ubi est quam ubi non sunt. Secundo sicut tales impressiones non apparent in celo ut in aere de die ergo nunquam debent apparere in aere de nocte [illegible] ad oppositum [illegible] in parte sunt [illegible] visum videtur in aere lumen [illegible] impressiones sunt tales et magis sunt lumine de die quam de nocte sequitur tales impressiones magis debent apparere de die quam de nocte. Tertio sicut videtur quod non debent apparere [illegible] tales impressiones sunt [illegible] et nigre [illegible]

[illegible]

Videtur quod sit dicendum quod fiat in suprema regione aeris vel in igne [illegible]
ita grossa [illegible] possit inflammari [illegible] cum grossitie non
posset ita alte elevari. Decimo sic si esset denominatio cometae et non denominatio [illegible]
caeli tunc aliquis fieret [illegible] figura qua solet fieri secundum comam vel secundum caudam
secundum barbam [illegible] exhalatio [illegible] posset [illegible] dispositio [illegible]
rotunda [illegible] si exhalatio non est denominatio caeli. Undecimo [illegible]
[illegible] impressiones non diu durant [illegible]
[illegible] sed modo cometae diu durant quia visae sunt per [illegible] durante [illegible]
[illegible] sic cometae sunt magnae [illegible] et sunt aliquorum effectuum futurorum qui non statim
eveniunt. Sed impressiones aliae [illegible] sunt aliquorum effectuum futurorum tamen illico eveniunt
sicut per rubedinem matutinam aliquando statim sequitur pluvia. Consequens est quod cometae non
sunt denominatio elementorum sed denominatio caeli. Duodecimo sic aliae impressiones quae fiunt [illegible] non diu
durant ut movetur [illegible] astro erratico vel ad motum [illegible] et sic fiant
per inflammationem sed visum est quod cometa movebatur ad motum [illegible]. Consequens est quod non
denominatio elementorum [illegible] sicut aliae impressiones. Oppositum [illegible] Aristoteles ostendens
modum generationis cometarum dicit quod sunt per inflammationem exhalationum elevatarum usque
ad supremam regionem aeris [illegible]
quibus apparet diversitas cometarum. Secundo [illegible] opiniones [illegible]
cometas [illegible] denominatio caeli. Tertio [illegible]
rei [illegible] Quantum ad primum [illegible] quod dicunt cometae primo [illegible]
cum visae sunt cometae valde magnae primo
aliquae tamen vel [illegible] sicut sol et aliquae visae sunt
valde parvae ita quod [illegible] difficiliter videbantur. Secundo dicitur
[illegible] aliqui visae sunt [illegible] planeta aliqui plures. Tertio dicitur [illegible]
aliqui apparent caudati aliqui barbati aliqui comati secundum quod coma [illegible]
retro vel super videtur. Quarto aliqui visi sunt cometae qui habent caudam
magnam quae extendebatur usque ad medium caeli ut dicit [illegible]. Quinto dicitur
[illegible] colore quia aliqui apparent coloris rubei aliqui vero coloris candidi. Sexto dicitur
[illegible] motu et quiete quia aliqua cometa visa est quiescere aliqua visa est moveri
aliqui motu retrogrado aliqui autem motu diurno aliqui autem ad motum [illegible]
stella ita quod aliqui apparuit [illegible] motu [illegible] stellae. Septimo dicitur [illegible]
loco quia aliqui [illegible] caeli sicut
[illegible] quae est versus septentrionem et solent apparere circa
viam lacteam. Octavo dicitur tempore quia aliqui [illegible] multi qui [illegible] videre
aliquas cometas [illegible] tempore sicut in duobus annis [illegible] duo vel tres vel
[illegible] dicitur tempore quia aliqui diu durant [illegible] ut dicit [illegible]
durant [illegible] dies et ad plus [illegible] menses. Octavo dicitur [illegible]
[illegible] quaedam visae sunt [illegible] colores [illegible] visae sunt [illegible]
[illegible] ad solem [illegible]
Nono dicitur [illegible]
[illegible] Decimo dicitur [illegible] quaedam movetur [illegible]
quaedam vero movetur [illegible] et non [illegible] astro. Quantum ad [illegible]
est cometa denominatio caeli [illegible]
opinionibus aliqui enim dixerunt quod cometa est una
de planetis [illegible] aliqui visa est cometa aliis omnibus planetis [illegible]
[illegible] quod non est aliquis planetarum. Aliqui autem dixerunt quod cometa
est una stella quae [illegible] apparet [illegible] coma [illegible] stella [illegible]
[illegible] aliqui cometa
apparet moveri ad motum [illegible] stella [illegible]

[illegible] non tunc sic deberet apparere moveri ad motum alicuius stellae [illegible]
quod [illegible] plurium stellarum appareat [illegible] cometa [illegible]
[illegible] tunc sic deberet apparere moveri [illegible] stellae movetur [illegible]
[illegible] plures quia aliqui cometae apparuerunt quiescere [illegible]
[illegible] cometa deficeret stellae deberent apparere [illegible]
[illegible] cometa apparuit [illegible]
[illegible] cometa apparet deficere apparuerunt aliquae stellae [illegible]
[illegible] stellae [illegible] diu [illegible] durat et apparet cometa
[illegible] stellae non [illegible] apparuerunt valde parvae [illegible]
[illegible] stellarum quae [illegible] apparuerunt
[illegible] deberent apparere ita magnae [illegible] apparet cometa [illegible]
[illegible] quod cometa non est [illegible] nec est [illegible]
[illegible] stella [illegible] motu valde [illegible]
[illegible] alibi [illegible] non est [illegible] stellae quod
[illegible] stella [illegible] cometa [illegible]
[illegible] stella [illegible] caeli [illegible] stellae sunt
[illegible] stella non est [illegible] apparet [illegible]
[illegible] lunae et radiis solaribus [illegible] apparet coma [illegible]
[illegible] stella sit [illegible] se diffundat lux et radii eius
[illegible] radii et lux [illegible] apparet coma
[illegible] quod [illegible] stella apparet cometa [illegible] exhalationis [illegible] elevatae
[illegible] stella deberet apparere [illegible] coma [illegible]
[illegible] exhalationis [illegible] cometa [illegible]
[illegible] stella posset moveri sive sit fixa sive erratica
[illegible] cometa quiescat [illegible] stella caeli quiescit [illegible]
[illegible] stella caeli [illegible]
[illegible] coloris [illegible] caeli [illegible]
[illegible] apparuerunt plures cometae [illegible] cometa non
[illegible] stella caeli [illegible] plures [illegible]
[illegible] cometa [illegible] deficit [illegible] radiis [illegible]
[illegible] stella caeli deficiat [illegible] apparet deficere [illegible] radiis solis
[illegible] cometa non est stella caeli [illegible] cometa [illegible]
[illegible] dico quod [illegible] est ad motum [illegible] non [illegible] ad
[illegible] ad motum [illegible] apparet quod cometa sit de
[illegible] motu non est [illegible] violenter
[illegible] vel cometa fit [illegible] in igne. Dico quod [illegible]
[illegible] materia [illegible] est ita grossa quod non sit [illegible] alte elevari
[illegible] calore inclusum [illegible] tunc aliquis
[illegible] barba vel [illegible] cauda. Dico quod [illegible] sic fit [illegible] tunc apparet
[illegible] stella caeli [illegible]
[illegible] barba [illegible] cometa [illegible] cauda vel
[illegible] impressiones [illegible] non diu durant [illegible] placitas [illegible]
[illegible] in media regione
[illegible] aeris [illegible] valde diu durant [illegible] cometae
[illegible] non diu durant [illegible] astro erratico [illegible] impressiones quae fiunt in
[illegible] alte [illegible] diu apparere [illegible] motu diurno moveri [illegible]
[illegible] quia [illegible] cometa sit exhalatio calida et inflammata [illegible]
[illegible] quod non [illegible] exhalatio
[illegible] pauca vel multa [illegible]

[illegible]

[illegible]

[illegible]

Caude in quarto folio = p. 509

[illegible]

exhalatio comprimitur [illegible] vel ab aliquo frigido sibi obviante et ideo
fortificatur et pellit fortiter. Tertio patet hoc ex antiperistasi
quia fortius candela [illegible] frigido et magis fortificatur, unde quod [illegible]
sicut in nubibus fulmine [illegible]. Et hic fit [illegible] ipsius spiritus
et exhalationis motus eius. Tertia conclusio: exhalatio est causa potissima motus
terrae patet quia cum talis exhalatio vel spiritus est inclusus in terra
compressione et fortiter et violenter detentus sic quod potest causare huiusmodi
motum terrae. Secundo [illegible] sicut est in minori mundo puta in homine quod
[illegible] ita [illegible] in maiori mundo [illegible] videtur quod in
homine talis spiritus et exhalatio est causa motus et tremoris ipsius hominis
in quo est. Ergo [illegible] talis exhalatio et spiritus compressus in terra est causa motus
et tremoris ipsius terrae. Tertio [illegible] effectus [illegible] motus terrae
[illegible] talis exhalationis [illegible] motus terrae [illegible]
Certum ergo non est [illegible] terra [illegible] se tota movetur [illegible]
[illegible] non undique terra est [illegible] possibile [illegible]
talis exhalatio [illegible] terram simul moveat [illegible] quod motus

Quinta conclusio dico primo quod motus
terrae non fit in aquis in insulis sicut
in insulis [illegible] quae longe distant a terra [illegible]
[illegible] non fit motus terrae sed in aliis partibus terrae [illegible]
distantibus [illegible] Et [illegible] est quia [illegible]
[illegible] magis [illegible] de exhalatione [illegible] Et quod [illegible] non potest
[illegible] et condensatio [illegible] exhalatio [illegible]
[illegible] Secundo dico quod motus terrae [illegible] fuit in
partibus septentrionalibus [illegible] aliis quia [illegible] magis [illegible]
[illegible] exhalatio et ideo potest [illegible] magis [illegible]
fit in motu terrae. Tertio dico quod in regionibus ubi [illegible] est terra [illegible]
[illegible] et deserta numquam fuit motus terrae [illegible] non
[illegible] est [illegible] et [illegible] porositas terrae [illegible] quod ut
exhalatio sufficiens [illegible] motus terrae. Quarto dico quod ut [illegible]
[illegible] fuit motus terrae in locis motosis(?) et [illegible] locis [illegible]
Et [illegible] est quia talia loca [illegible] sunt [illegible] et porosa
et apta [illegible] exhalationes causantes motum terrae

Quinta conclusio [illegible] quod motus
fuit et [illegible] non. Dico quod motus
terrae fuit [illegible] pluvias quia [illegible] pluvias terra et [illegible]
et apta [illegible] calore solis generatur exhalatio quae
fit causa motus terrae. Secundo dico quod [illegible] fuit [illegible] et in
hieme [illegible] quia [illegible] exhalationes [illegible]
[illegible] quia [illegible] calore [illegible]

exhalatio. Tertio dico quod motus terrae magis fuit in nocte quam in
die quia noctes sunt tranquilliores [illegible] sicut Aristoteles motus terrae
fuit tranquillitate [illegible] ipsius aeris [illegible] frigore
[illegible] terrae et [illegible] exhalationes quae faciunt terram moveri
[illegible] dico quod si [illegible] die hoc est magis circa meridiem quia tunc
est tranquillitas aeris. Calor enim solis [illegible]
exhalationes super terram quia [illegible] calor solis potentior est ad [illegible]
[illegible] in meridie quam in aliis temporibus diei [illegible] sicut dicit Aristoteles in
[illegible] aeris [illegible] fit terrae motus. Quinto dico quod motus terrae
magis fuit in temporibus [illegible] sicut in vere et in autumno quam in aliis
[illegible] calidi [illegible] et non [illegible] est [illegible]
exhalationibus. Sexto dico quod numquam fuit in Aegypto quia non
[illegible] porositas in quibus possit talis exhalatio generari [illegible]
[illegible] dico quod [illegible] usque septentrionem [illegible]
[illegible] terrae motus quia [illegible] calor [illegible] et ideo non [illegible]
exhalationes. Octavo dico quod magis fuit circa eclipses lunae
[illegible] aliis [illegible] Quinta conclusio ad
[illegible] dico quod terra non [illegible] ut ascendo ut descendo
[illegible] tota ut [illegible] eius partes [illegible] et hoc est
quod talis motus [illegible] fit violentus [illegible]
[illegible] terrae [illegible] exhalationes quae exhalatio
[illegible] potest movere terram [illegible] Et [illegible]
non ut [illegible] quia exhalatio est levis [illegible] non potest movere terram [illegible]
[illegible] motus terrae est [illegible] Dico quod [illegible]
[illegible] terra [illegible] locum naturalem sicut dictum est in primo et secundo [illegible]
[illegible] terra non fit locus naturalis exhalationes quae est levis
[illegible] in media [illegible] regione aeris [illegible] aqua
[illegible] non fit locus naturalis aquae [illegible] exhalatio [illegible]
terra [illegible] non fit locus naturalis [illegible] ipsius exhalationis

[illegible] tranquillitas
est signum motus terrae. [illegible] quod
[illegible] saepe est tranquillitas et [illegible] non [illegible] fit terrae motus [illegible]
[illegible] tranquillitas [illegible] aquae fuit terrae motus non
[illegible] sicut [illegible] exhalatio [illegible] terra et [illegible]
[illegible] Aristoteles in [illegible] de terrae motu
[illegible] primo videnda sunt signa praecedentia terrae motum. Secundo
[illegible] sunt signa sequentia terrae motum. Et [illegible] effectus [illegible]
[illegible] terrae motu. Quinta [illegible] quod [illegible]

Est signum terre motus futuri. Et hoc e[st]
[illegible] Nam sicut dicebatur prius terre motus
fit aliquando propter exhalacionem generatam in terra et inclusam. Aliquando autem
propter introitum exhalacionis vel aeris intra abscondita quod postquam
intraverit intra concluditur in terra et per clausionem rimarum et
cavernarum per quas intraverit. Modo cessacio ventorum est signum
quod exhalacio que est materia venti intravit terram per rimas eius
que inclusa in terra cessat ventus et sequitur post hoc terre motus. Se-
cundum signum est quod non semper post cessacionem ventorum et tranquillitatem fit
terre motus quia venti fiunt semper et in pluribus propter exhala-
cionis consumpcionem et non propter introitum exhalacionis intra. Et ideo
hoc post solucionem plurimi accidit. Secundo signum est quod aliquando non cessat
ventus cum terre motu, ymmo aliquando simul est ventus et motus terre.
Et huius racio est quia aliquando exhalacio que est intra primum erumpit et [illegible]
[illegible]. Et similiter aliquando flant duo venti et [illegible] quod unus
eorum intrat terram per rimas terre et alter non et tunc postquam [illegible]
quod sic fiat terre motus et non cessat ventus [illegible]
[illegible]. Tercio signum est quod quando est tranquillitas et tota exhala-
cio concluditur in terra tunc fiunt terre motus [illegible] quando [illegible] simul est
terre motus et flat ventus. Et huius racio est [illegible] tunc [illegible]
propter terre motus est fortior. Quartum signum est [illegible] aeris
cum sol oritur plus [illegible] solito. Et huius racio est quod [illegible]
signum quod [illegible] exhalacionis calide et sicce [illegible] in terra
[illegible] et inclusi sunt in [illegible] exhalacionis [illegible]
[illegible] que calefaciunt aerem et [illegible] aer sentitur magis [illegible]
[illegible] quam solebat [illegible] exhalacio abscondita in
terra et quod sunt [illegible] non erumpit est signum motus terre futuri.
Quintum signum est quedam nubecula recta et alba protracta [illegible]
nubium cum occasu solis quando [illegible] apparet signum est quod
non est aliquis ventus qui dissipat illas nubeculas et tunc [illegible]
[illegible] et in motu et [illegible] quo [illegible]
tranquillitate [illegible] signum [illegible]
[illegible] exhalacio non erumpit [illegible] que est materia venti [illegible]
[illegible] intraverint [illegible] terram [illegible]
[illegible] timor [illegible]
[illegible] vento. Et huius racio est [illegible]
[illegible] timescit [illegible] signum est quod exhalacio que [illegible] in terra
incipiunt erumpere [illegible] timescit [illegible]

fit terre motus quia sibilos [illegible] ante [illegible]
[illegible] terram [illegible] signum est quod [illegible]
[illegible] tremit et [illegible] signum [illegible] terre motus [illegible]
[illegible] exhalacio que [illegible] et erumpit et [illegible]
[illegible] timore et [illegible]
[illegible] terre fit [illegible]
[illegible] exhalacionis [illegible]
[illegible] signum [illegible]
motus terre [illegible] de signis effectibus et concomi-
tantibus terre motus. [illegible] est quod unus
effectus terre motus est magnus
sonus intra qui dicitur mugitus terre. Et huius sonus fit propter
motum exhalacionis inclusae in terre [illegible]
terre et [illegible] sonus [illegible]
[illegible] terre et [illegible] fit terre motus [illegible] fit
huius sonus [illegible] aliquando non audi[tur] [illegible] quod est [illegible] in terra
[illegible] sonus [illegible] aliquando [illegible] sonus causa [illegible]
[illegible] terre ad [illegible] exhalacio in
[illegible] aliquando [illegible] exhalacionis [illegible]
terre motus est obumbracio solis in nubibus. Et huius racio est [illegible]
[illegible] fit terre motus aliquando erumpit [illegible] exhalacio [illegible]
[illegible] quod sol apparet obscurus [illegible]
est ruina et [illegible] domorum et civitatum. Et huius racio est [illegible]
exhalacio [illegible] in terra [illegible] magna [illegible] et forti [illegible]
[illegible] et fiunt [illegible] et ruine
[illegible] exhalacionis [illegible] effectus est inundacio aquarum
[illegible] terre motus [illegible] inundacio aquarum. Et huius racio est [illegible]
[illegible] aqua. Et aliquando [illegible]
[illegible] cadit terra [illegible] aqua et tunc [illegible] aqua fit
[illegible] faciat sibi viam [illegible]
[illegible] patria [illegible] effectus est inundacio maris ad
[illegible] fit terre motus [illegible] exhalacio que est materia venti [illegible]
[illegible] effectus est [illegible] maris super terram
fit terre motus. Et huius racio est [illegible]
[illegible] terre motus tunc exhalacio erumpit [illegible]
[illegible] lapidibus [illegible] adlatera [illegible]
[illegible] timor [illegible] et [illegible] ante [illegible] et tunc
[illegible] terre. Septimus effectus est [illegible]
[illegible] fit [illegible] exhalacio aliquando rumpit terram et [illegible]
[illegible] Sicut dicitur quod [illegible] et italia [illegible]

caue ptinuie q ptica ppt ire motu mac dmisit civitates
in via Et ita dr de ispania et affrica Octauus effectus e
appacio nouorum insularum ppt csiles cus Nonus effectus est
ostructio quorundam auium na alter exalacio ptinue ira ppt
antiperistasim fortificatur eius calitas z cu erit velocis
motu veloci motu incedit z gburit villas z ciuitates De
eius effectu e pestilentia z mortalitas ut in pluribus cum ptimo
tu ire sunt ca Et hoc ro e na febria sunt multa invectiua
ppt calitia lunis sol q in motu ire ducitur contra ppala
cor z cu ducitur ... mutat aerem quo mutato inficiunt
animalia Sit g dictum e de signis precedentibus motum ire z ali
alia de effectibus concomitantibus ipsum adiuc pt dici de duratione
motus ire De quo sciendum q alter durat plus alter minus z hoc
ppt multitudinem vel paucitatem illius exalacionis q e ca ire motus
Adhuc pt dici de remedijs motus ire Et e sciendum q illi q
habitant infallibiliter no sunt tutu tunc de ire motu nec tamen
nocent eis pt illi qui habitant in motibus ... motibus at ppt
spongiositatem eorum plures sunt z generantur exalacionis que
sunt cause ire motus quia infallibiliter ... infallibiliter eius e terra multum
compacta Vnde sicut sunt ducti ubi terra e compacta minores
sunt exalacionis z pauciores ire motus Et sic sunt soluti de
Vtrum tonitruum fit ex
tinctio ignis in nube et

Arguitur q sic na sicut e de sono causato ex extinctione ignis z trusi
in aqua ita vr e de tonitruo ... e q ille sonus ... extinctione
ignis in aqua g etc vr q tonitruum fit ex extinctione
ignis in nube Secundo sic na in nube aquosa includitur ex
alacio calida z sicca z participat ... ppt frigiditatem
nubis illis intenditur et constringitur ... nubis z g
videtur q extinctio illis exalacionibus ... in nube fit to
nitruum ... eius ignis in aqua ... tunc constringitur
... quidam sonus ... sic ar ante ... z ...
... posterioris ... tonitruum ex ...
ignis in nube Certo fit ... exalacio ... extincta
in nube ... tonitrui sequitur q ... mane ...
ptis ... tonitrui ... no ... vnde ...
... que ... in nube ... e ... de effi
... de ... sicut ... vnde de ma ... z de effi
... z sine z de effectibus ipsius tonitrui ... sit ...
... tonitrui ... q sic fit sonus no est

ignis constrictus in nube ... q ... quem ... ignis vel adim
vel cum eleuacione venit ad nubem vel generatur in nube No
sit dici q eleuacione q no vr vnde ... ignis venisset ad nubem
Nec eciam pt dici q fit generatus in nube q tunc no constrictus
videtur in nube Secundo sic tonitruum est exalacio ignis
constricta in nube sequitur q choruscacio ... precederet
tonitruum ... e falsum z ... ... q dicit q tonitruum
in ... precedit choruscacionem quibus choruscacio ptis videtur
q tonitruum audiatur ppt hoc q ... visus e acucior z subtilior
auditu quia ... q ignis ptis ... constrictus e no splendet
neque choruscat ... ... Tercio ptis in sonus
devenit ignis z fulgur de nube quod no esset nisi ...
in nube constrictus Secundo ... q sic facit sonus e exalacio
calida z sicca inclusa in nube ... q no sunt nisi due species
impressionis ... et exalacio no tonitruum e quedam impressio
... vr q alia ... exalacionum fit tonitruum ... no vapor
... vr q hoc fit exalacio calida z sicca Secundo ... fit
... venit fulgur z choruscacio ... sunt ... exala
... calida z sicca ... et no ... in videtur
... q exalacio calida z sicca ... tonitruum z q ipsa fit
... que sic sonat ... sic eleuatur ut ...
... plures ... vapor eleuatur exalacionis calide z sicce que
... includitur in vapore Secundo ... in nube ... ppt
... ppt ... sic ad nubem frigi
... q ... fit in nube ... hinc inde
sonat z fit ... nubem q ipsa fit ... sic
... ipsius nubis z ruptura eius z q ... fit tonitruum
... ad ... adhuc ... corpo
... sonus ... tonitruo ... in ... fit ... facit
in nube sic q exalacio calida z sicca ... in nube ...
... petit ... z rumpit nubem z facit ... sonus ...
q ... exalacio ... constringitur ... inflamata ... no
inflamata petens ... rumpit nubem z facit sonum Et
... e de tonitruo artificiali ... ... toni
trui materia ... eius e exalacio ... z nubis ...
... rupta sine ... aer z ... effectus ... et
... exalacionis ... ppt antiperistasim Nunc restat

vide(ndum) de forma ipsius tonitrui. Est e(nim) sciendum q(uod) sonus vel modus
sonandi e(st) formale tonitrui et s(ecundu)m Albertum fit quadruplici modo
modo q(uia) exhalacio calida et sicca mota in nube non inflam-
mata sed [illegible] et rupturam ipsius nubis et tunc fit sonus
non magnus s(ed) valde debilis. Secundo q(uan)do exhalacio calida
et sicca non inflammata rumpit et scindit nubem et tunc
non causatur magnus sonus s(ed) t(ame)n maior quam primo. Tercio
modo q(uia) exhalacio calida et sicca mota in nube vel in concavi-
tate ipsius nubis et ad hoc e(st) inflammata et sicca tunc fit maior
sonus quam aliquo predictorum modorum et tunc est diuturnior
Quarto q(uia) exhalacio calida et sicca et inflammata scindit
et dividit nubem et tunc est sonus magnus et horribilis. Vnde
modo atque dilaceratur sonus magnus valde [illegible]
q(uia) exhalacio valde calida et sicca et inflammata [illegible] sibi
et rumpit nubem et tunc a(liquando) p(ro)pter suum [illegible] obviat sibi
aer frigidus et tunc est [illegible] sonus [illegible] q(uod) quando
aliqua flamma vel scintilla ipsius ignis [illegible] et tunc
sibi obviat aer frigidus [illegible] facit quendam sonum quem
[illegible] vocabant [illegible] [illegible]. Est [illegible] q(uod) tonitruum
[illegible] sonus varia(tur) [illegible] et [illegible] varietatibus et
diversitatibus [illegible] et diversitate [illegible] concavitatum
nubium [illegible] concavitatibus fit exhalacio calida et [illegible]
sicca et mota [illegible] inde [illegible] latera [illegible] calide
et [illegible] si tonitruum fieret p(ro)pter inclusionem exhalacionis
et sicce in nube vel latera ipsius nubis [illegible] q(uod) quando
erunt nubes tunc est sicut tonitruum [illegible] [illegible] [illegible] quia
[illegible] [illegible] elevantur vapores [illegible] ad eius elevantur exhalaciones
calide et sicce et [illegible] [illegible] q(uod) p(ro)pter motum et [illegible]
exhalacionis [illegible] nubis ad latera ipsius nubis non deberet
fieri [illegible] sonus p(ro)pter [illegible] q(uod) nubes e(st) multum rara et [illegible]
[illegible] defacili [illegible] exhalaciones impellere ergo [illegible]
[illegible] exhalacio [illegible] fit ad nubem [illegible] q(uod) nubes debent
[illegible] exhalaciones et [illegible] tunc ibi non [illegible] sonus [illegible]
[illegible] ad [illegible] exhalacio calida et sicca [illegible] concavitate
et [illegible] ipsius nubis [illegible] replicat [illegible] concavitate
[illegible] non [illegible] q(uod) [illegible] non [illegible] non [illegible] [illegible] q(uod) non re-
plet totam concavitatem [illegible] q(uod) [illegible] sit vacuum [illegible] non
[illegible] [illegible] [illegible] [illegible] tonitrua sunt [illegible] [illegible]
[illegible] non [illegible] nubes ergo [illegible] q(uod) tonitrua non fiunt [illegible]

p(re)dictis. Secunda [illegible] ad [illegible] ad [illegible] [illegible] q(uod) quandoque erunt
nubes tunc sicut tonitrua [illegible] quia [illegible] non quecumque nubes
vel quecumque exhalacio sufficit ad generationem tonitrui [illegible] q(uod) ex-
[illegible] nubes que sit spissa ad generationem tonitrui exhalacio que sit
[illegible] multa et nubes que sit in loco frigido multum sicut in media
regione aeris [illegible] [illegible] sunt nubes et tamen [illegible] [illegible] [illegible]
q(uod) non [illegible] sunt tonitrua quando sunt nubes. Secundo dico q(uod) quando
nubes sunt in loco multum frigido et denso tunc [illegible] [illegible]
latera [illegible] que fortissime resistunt exhalacioni que [illegible] et [illegible]
[illegible] ipsius nubium. Tercio dico q(uod) [illegible] [illegible] [illegible]
exhalacionis replet totam concavitatem nubium et [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] exhalacionis [illegible] et [illegible]
in tunc [illegible] aer [illegible] ad [illegible] [illegible] in nubibus
et ad [illegible] exhalacionis sunt sic [illegible] et [illegible] calide
[illegible] [illegible] [illegible] concavitate nubis et ad nubes est
magis spissa et densa que forte magis [illegible] media regione
aeris [illegible] [illegible] [illegible] frigiditate e(st) [illegible] tunc [illegible] exhalacio re-
[illegible] [illegible] vel ad latera [illegible] q(uod) [illegible] e(st) [illegible] [illegible] ad
[illegible] [illegible] Secundum [illegible] et [illegible] [illegible] [illegible] [illegible] quare [illegible]
[illegible] infra nubes et non supra. Secunda [illegible] [illegible] q(uod) aliquando
[illegible] [illegible] tonitruum [illegible] non sunt nubes [illegible] [illegible] [illegible]
[illegible] non [illegible] [illegible] q(uod) exhalacio calida et sicca elevatur
[illegible] media regione aeris et [illegible] [illegible] regione aeris [illegible]
et [illegible] [illegible] repulsione vehementi [illegible] et tunc [illegible] obviat [illegible]
aer frigidus fit sonus similis tonitruo vel [illegible] [illegible] sonus [illegible]
[illegible] [illegible] [illegible] q(uod) [illegible] [illegible] impressiones [illegible] [illegible]
[illegible] sonus [illegible] ac sono [illegible] [illegible]. Nunc
restat videre de fine tonitrui [illegible] [illegible] [illegible] [illegible] fiat et
[illegible] [illegible] [illegible] q(uod) fit ad [illegible] [illegible] [illegible] [illegible] et
[illegible] aeris [illegible] [illegible] sonus [illegible] e(st) [illegible] [illegible]
[illegible] [illegible] dicebant q(uod) [illegible] tonitrua fiebant [illegible]
tonitrua aer [illegible] mortalitatis et pestilencie [illegible] e(st) q(uod) [illegible]
[illegible] aer [illegible] et fiunt tonitrua [illegible] et venti q(uod) [illegible]
sicut [illegible] aer [illegible] [illegible] [illegible] [illegible] q(uod) fiunt tonitrua ad
[illegible] et ad [illegible] [illegible] [illegible] [illegible] et [illegible] [illegible]
[illegible] tonitrua sicut [illegible] [illegible] restat videre
de effectibus tonitrui. Est [illegible] q(uod) [illegible] tonitrui [illegible]
[illegible] et [illegible]. Est [illegible] e(st) q(uod) [illegible] exhalacio fortis [illegible] a nube

monet aerem et una cum ipso destruit arbores et animalia mo-
vet alias destruit turres et alta edificia et magis alta quam
bassa quia ... in alto ... exalacio fortius movet ... effect[us]
est quod aliqui animalia propter tonitrua fiunt surda et hoc fit quia
per motum talis exalacionis vel aerem forte frangitur aliqua
una pellicula organi auditus et quando illa frangitur nobis
tunc non possumus audire. Secundo ... probat ... feriente
de sono causato ... dico quod in aquo est ...
et in aquo ... sicut patet ... exalacionis. ... secundo
dico quod non ... fiunt tonitrua quia exalacio calida et sicca
... in ipsa nube ... quod non cum ipsa nube ...
... dico quod ... et ... loquitur ...
... aut non ponimus quod ita sint sed ut ...
... dico quod ... exalacio calida et
sicca ... nube et inflammatur tunc ... fit ... quod
... sic ergo apparet quod non ... a ...
... et quod ... est quod ... causato

Utrum exalacio ... fiunt
tonitrua et choruscaciones
debeat descendere ad ... et ... quod non
quia ... est leve non debet descendere sed magis ascendere sed ex-
alacio ... fiunt choruscaciones et tonitrua est levis ... talis
aer patet ... quia levius est ascendere ... quia ...
exalacio est calida et sicca ... levius ascendit et non des-
cendit. ... ad ... levius ... gravior ascendit et non des-
cendit sed nubes ... sunt exalacionis ... fiunt choru-
scaciones et tonitrua est gravior quam sit ... exalacio ... ex-
alacio ... nubibus ... debet ascendere et non des-
cendere ... non ... talis ... gravior et levior quod levior
... super gravior ... si ... ponatur ... ascen-
der ... nubes et ... aquosa exalacio ...
fiunt choruscaciones et tonitrua ... calida et sicca ...
... levius ... et aquosa ... sic ... dicebatur
... exalacio ... ascendit quod ... exala-
cio ... infrigidatur media regione non ... descendere ...
... sic ... quod ... exalacio non includitur ... nubes
... nubibus ... exalacio ... ascendit
simul ascendunt vel exalacio calida et sicca ... ascendit

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... ascendit ... simul ... plures ... generantur ex-
alacionis et ... aqua exalacio non ...
Si aut dicatur quod ... apparet ... tunc videtur
quod ... debeant ...
... et ... talis exalacionis ... de
... in nube ... media regione non debent fieri choru-
scaciones et tonitrua. Si aut dicatur quod exalacio ... ascendit
... tunc ... in ventre ipsius nubis primo
... videtur quod ... fugiat ... nube. Si at dicatur quod ...
... ascendit ... exalacio tunc ... exalacio non ...
... attingit ad nubem videtur quod ... cum ...
... Si at dicatur quod ... exalacio penetrat partem inferiorem
... ascendendo videtur quod ita esset penetrat partem superiorem ipsius nubis
... ita quod ... videtur quod exalacio calida et sicca non
... includi ... nec ... faceret choruscaciones
... et tonitrua ... sit ... si ponatur in nube tunc non videtur quo
... exalacio ... nube inferiori primo magis superior quia ...
... sit levis ... sursum et ... videtur quod ...
... nube superior ... inferior quia inferior ... nubis ...
... abeunt ... densior ...
... magis ... et ... diffi-
... Secundo si ... exalacio ...
... nube superior tota simul ... Si ... quod nubes una
... tota ... simul ... non ... videtur quod ... fluit quia
... nubes simul ... frigide aquose ... videtur
... Oppositum ... exalacio ...
... adipiscens ... supponendo ...
... ad ... choruscaciones et ... ad tonitrua et ...
... dicebatur ... quod ... nubibus ...
... calidas et siccas includi ... magis ...
... quod ... ad ... exalacio et quod ... fit
... non impedit ... actus ...
... non impedit ... passio ...
aquosa ... diffundit ... sicca ... et ... ad co
... pauce ... ad ... vind

ipsorum fiat aliud sicut quinarius [illegible] vel quinquagenarius [illegible] vel
quinquagenarius per unum [illegible] parvi minutiarum. Similiter [illegible] aut
propter quod vapor sicut exalacio [illegible] separata ab aere in loco nubium
[illegible] clarus est quod humidi est facile recipere impressionem et difficile
tenere et difficile eam dimittere. Sicci autem est difficile recipere im-
pressionem et cum eam tenet et difficile eam dimittere et ideo ad vapo-
rem et exalacionem veniunt ad mediam regionem ubi est magna frigiditas tunc
vapor humidus de facili suscipit frigiditatem et de facili dimittit
caliditatem. Exalacio autem sicca cum fortis [illegible] caliditer et difficile
recipit frigiditatem. Et quia vapor humidus condensatus in nube et frigiditas
a media regione frigiditate claudit, ideo exalaciones calida et sicca
tunc in ea [illegible] antiperistasim plus et plus calescit et frangit
exalacio abundancie ad frigiditatem nubis [illegible] [illegible] et talis
tum intendit caliditatis quod [illegible] et separant a nube [illegible]
[illegible] per quod sicut [illegible] quod exalaciones includuntur in nubibus [illegible]
[illegible] est quod primo elevatur vapor et condensatur in nube et deinde
elevatur exalacio et [illegible] [illegible] et vapor [illegible] [illegible] exalacio est in medio et [illegible]
[illegible] [illegible] ab nubes [illegible] [illegible] vaporibus sicut elevatis
et sicut unus vapor cum exalacione [illegible] et alius [illegible] [illegible] [illegible]
[illegible] est quod [illegible] frigiditatem abundancie et [illegible] [illegible] dicebat
in primo [illegible] [illegible] [illegible] est quod nubis [illegible] [illegible] [illegible] superior
[illegible] parte quam inferior [illegible] [illegible] est quia frigiditas est intemperat
[illegible] est condensacio et inspissacio [illegible] [illegible] [illegible] sit
[illegible] [illegible] [illegible] exalacio in clusa in nube [illegible]
[illegible] sunt coruscaciones et tonitrua [illegible] [illegible] [illegible] [illegible] et non
[illegible] [illegible] [illegible] quod sit inclusa in nubibus [illegible] quod [illegible] sit [illegible]
[illegible] [illegible] [illegible] quod frangit abeius petendo aliud locum [illegible]
[illegible] [illegible] [illegible] nubes [illegible] [illegible] Nubes enim est spissa et
[illegible] sunt calide et non [illegible] [illegible] parte [illegible] [illegible]
[illegible] superior [illegible] sit [illegible] ergo descendit [illegible]
parte [illegible] nubis et [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] in nube ad [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] attingit [illegible] [illegible] [illegible]
[illegible] [illegible] parte nube [illegible] [illegible] et non [illegible] [illegible]
[illegible] [illegible] apparet quod [illegible] coruscat [illegible] [illegible] nube [illegible]
super nube et pluvias sicut [illegible] super dicebatur [illegible] [illegible]
quod [illegible] exalacio [illegible] [illegible] [illegible] parte nubis [illegible] [illegible]

[illegible] quod [illegible] . [illegible] et sufficit usque ad locum [illegible] ubi solent
[illegible] [illegible] [illegible] [illegible] Ad [illegible] [illegible] ad dicebatur quod [illegible] quod
elementis [illegible] [illegible] dico quod [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] et [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] et quod [illegible] est [illegible] sicut [illegible] [illegible] [illegible] [illegible]
[illegible] dico ad [illegible] [illegible] [illegible] ascendit [illegible]
[illegible] sicut [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] dico quod [illegible] [illegible] probat quod exalaciones
[illegible] [illegible] quia vapor non [illegible] [illegible] omnes [illegible] [illegible] vapor
elevatur [illegible] in nube [illegible] et [illegible] elevatur [illegible] [illegible]
[illegible] quod [illegible] ascendit [illegible] [illegible] vapor primo possit [illegible]
[illegible] [illegible] nubis [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] dico quod [illegible] nubes [illegible] suscipiat [illegible]
[illegible] [illegible] appetit ascendere [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] parte nubis [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] et non [illegible] parte [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
quod [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] nubis et [illegible]
[illegible] parte nubis est magis [illegible] et [illegible] parte [illegible] [illegible] et ergo
exalacio [illegible] [illegible] parte nubis et [illegible] [illegible] [illegible] est [illegible] quod [illegible]
[illegible] possit [illegible] et tunc [illegible] nubes non [illegible] [illegible] [illegible] [illegible]
tonitrua [illegible] [illegible] non est [illegible] et [illegible] quod exalacio non sit [illegible]
fortes [illegible] sit inclusa in pluribus [illegible] [illegible] nubis [illegible] est quod
[illegible] nubes [illegible] fit coruscacio et tonitrua [illegible] [illegible]

[illegible] coruscacio sit [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] sit tonitrua sicut [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] coruscacio [illegible] [illegible] [illegible]
exalacio [illegible] nube [illegible] [illegible] [illegible] quod coruscacio fit [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] apparuit [illegible]
[illegible] [illegible] [illegible] [illegible] nube super [illegible] [illegible] et
[illegible] [illegible] [illegible] [illegible] [illegible] quod coruscacio fit [illegible]
calida et sicca [illegible] [illegible] [illegible] [illegible] exalacio calida
[illegible] [illegible] coruscacio sicut [illegible] [illegible] [illegible] non [illegible]
exalacio inflammata in nocte [illegible] [illegible] coruscaciones [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] inflammata sit [illegible] [illegible] [illegible]
[illegible] exalacio inflammata in nocte [illegible] [illegible] sicut stelle cadentes

non fiat talis splendor, ut coruscacionis. Oppositum vult Aristoteles.
Et ad oppositum patet ad sensum. Ista in questione primo videndum est de causa et modo
ipsius coruscacionis et modo generacionis ipsius. Secundo de comparacione co-
ruscacionis ad tonitruum. Tercio de effectibus coruscacionis et de causis
ipsius. Quarto videbitur de quesito. Breviter quid nominis est dubia
est tamen [illegible] advertendum de causis et modis et causa ipsius coruscacionis.
Quantum ad primum dico quod coruscacio
non est aliud quam [illegible] accensa et inflammata.
Et faciendum quod dum contingit ad inflammacionem vaporis propter velo-
citatem motus et compulsionis quam ipse compellitur a nube. Et quod
hoc sit possibile patet quia motus calefacit [illegible] agitur sicut dicebatur
primo libro Celi. Alio modo contingit exhalacionem inflammari propter forti-
ficacionem caloris eius a frigido circumstanti secundum Aristotelem per antiperistasim.
Nam ut dicebatur in primo huius quod [illegible] [illegible] potuit
aliquid [illegible] ipsum Senecam sciendum quod [illegible] quod exhalacio in-
flammata fiat coruscacio requiritur quod sit multa subtilis
non [illegible] exhalacio inflammata est coruscacio [illegible] [illegible]
[illegible] [illegible] saltantes [illegible] ut patet in primo [illegible]
Quarto sciendum quod temporibus illis quibus contingit elevacio exhalacionis
multe et inflammabilis plures fiunt coruscaciones. Et si non
desiccantur vel consumuntur nimio calore ipsius solis [illegible]
plures fiunt in temporibus et locis [illegible]. Sexto sciendum quod cum [illegible]
alacio est multa in nube inclusa et est antiperistasis magna
tunc [illegible] fiunt coruscaciones et tonitrua [illegible] cum
magna fiunt [illegible] quod magna [illegible] est coruscacio et permotio
et per [illegible] et per [illegible] nubis [illegible] permotio eius ad latera
nubis [illegible] fit sonus et tonitruum. Si autem [illegible]
[illegible] et [illegible] tunc fit [illegible] ipsius [illegible]
[illegible] tunc fit sonus [illegible] est tonitruum sed est coruscacio [illegible]
[illegible] sciendum quod [illegible] coruscaciones fiunt [illegible] exhalacionis
[illegible] nubes et [illegible] nubium et [illegible] coruscaciones [illegible]
[illegible] [illegible] aut [illegible] fortificata [illegible] [illegible]
[illegible] et inflammatur in nube et tunc fit [illegible] et [illegible]
nubis et fit tonitruum et coruscacio [illegible] nube et [illegible]
[illegible] nubes tunc nubes [illegible] et [illegible] et [illegible] et
[illegible] est quod apparet sonus [illegible]. [illegible] sciendum quod quando nu-
bes sunt opace et dense tunc coruscacio apparet [illegible]
et [illegible] propter reflexionem luminis ipsius coruscacionis [illegible]

nubes densa et opaca reflectit lumen coruscacionis. Sexto
sciendum quod non solum nubes reflectit lumen coruscacionis. Verum eciam aliquando
fit densitas aeris propter vapores inmixtos et ideo est causa [illegible] reflexionis
luminis [illegible] propter talem reflexionem ipsius luminis ab aere
denso apparent coruscaciones in crepusculo aliquando cum sol oritur
et post solis occasum. Et hec est causa quare nobis apparent corus-
caciones tempore sereno quod tunc licet non sit aliqua nubes in nostro
orizonte tamen fit in alio orizonte et ibi fiunt coruscaciones quarum lumen
reflectitur ad nos propter inmixtionem aeris in nostro orizonte sicut eciam dicitur
et crepusculis tunc apparent nobis coruscaciones non obstante
quod non sit nubes super nostrum orizontem. Septimo sciendum est quod cum fit
[illegible] tamen coruscacio quam tonitruum et coruscacio fit prius
[illegible] propter exhalacionem accensam et prius fit tonitruum quam
lumen [illegible] non prius appareat. Et huius racio est quia multiplicacio
luminis non fit successive per motum localem [illegible] appropinquando
[illegible] multiplicacio soni est successio [illegible] appropinquacionis fit
tonitruum. [illegible] [illegible] coruscacio [illegible] prius cum [illegible]
localem quia multiplicacio luminis vel sue speciei non fit per motum
motus localis ipsius medii sed adductio soni vel sue speciei requiritur
quod medium fit tale [illegible] multiplicacio eius soni oportet
fit dispositum [illegible] non fit ad necessitatem videndi requiritur quod ipsum
sit tale sic ad necessitatem audiendi requiritur quod ipsum
[illegible] sonus non auditur nisi ad tremorem medii [illegible]
[illegible] sit medium audiendi [illegible] non sit tale sit [illegible]
[illegible] [illegible] sciendum est quod si exhalacio exit nubem
et inflammatur tunc [illegible] concipit conclusionem eius motu mediante
[illegible] tunc coruscacio via generacionis precedit tonitruum [illegible]
[illegible] indigens loco ampliori fortissime percutit aerem
[illegible] sonum vel tonitruum. Et [illegible] [illegible] [illegible]
quod tonitruum precedit coruscacionem. Sed [illegible] tamen Aristoteles dicit
quod coruscacio fit propter scissuram nubis et percussionem tonitrui sive soni
[illegible] ad exhalacionem exit nubem iam inflammata [illegible]
[illegible] nubem non inflammata et postea [illegible] eius
[illegible] et [illegible] indigens loco ampliori fortissime percutit
[illegible] et tunc coruscacio via generacionis fit [illegible]
Decimo sciendum quod exhalacio [illegible] [illegible] vestimenta et
[illegible] [illegible] et quod folia plantarum decolorat. Et huius

non est quia tamen exhalacio inflammata erumpit extra nubem vel
[illegible] intrinsecam necessarium [illegible] vero ad [illegible]
quod quando est [illegible] et prius quia id est prius [illegible] sicut sic est de
coruscacione [illegible]. Ad aliud dico quod simul [illegible]
sit tonitruus et coruscacio tamen tonitruus diuturnius durat quam corus-
cacio quia [illegible] incipiat cum coruscacione et [illegible]
quod est coruscacio et quod est coruscacio tunc exhalacio cito consumitur et
desinit coruscacio sed adhuc [illegible] motus aeris audiri tonitruum
et [illegible] sicut [illegible] tamen prius est tonitruus diuturnior
coruscacione. Ad aliud quod arguebat quod aliquando apparent co-
ruscaciones tempore sereno super unum orizontem dicendum est in
questione [illegible] quod aliquando videtur coruscacio que
non auditur tonitruus dico quod illud [illegible]
[illegible] quod coruscacio sit tunc sit [illegible] supra nos
de alio orizonte tunc apparet coruscacio licet non audiatur toni-
truus. Ad aliud dico quod non [illegible] exhalacio inflammata coruscat et
[illegible] est aliquando tempore [illegible] exhalacionibus et aliquando [illegible]
nimis altus et distans [illegible] inflammatur [illegible] exhalacio
et [illegible] exhalacio inflammata [illegible] media regione aeris [illegible]
impressiones ignite que dicuntur [illegible] sicut candele et non [illegible]
[illegible] sicut dicebatur in primo [illegible]. Utrum fulminum alia
sit penetrativa et alia
sit adustiva. Et arguitur
quod nullum sit penetrativum [illegible] quod [illegible] possit [illegible] nubes
[illegible] [illegible] [illegible] quod possit pe-
netrare [illegible] nubem [illegible] ut videtur penetrare
nubem quam penetrare [illegible] lignum durum vel [illegible] durum [illegible]
sic si aliquod esset penetrativum lignum vel [illegible] vel aliquod [illegible] durum
[illegible] quod tale fulmen non esset exhalacio [illegible] quod est [illegible]
[illegible] eius [illegible] est unctuosa [illegible] est [illegible] et inflammabilis [illegible]
[illegible] [illegible] quia si esset exhalacio [illegible] tunc non posset penetrare
lignum [illegible] porum sit aliquod lignum non porosum nisi tunc
[illegible] corpora multum sit penetrare [illegible] est [illegible] [illegible] [illegible]
[illegible]. [illegible] quod nullum fulmen adurit [illegible]
[illegible] tempore sereno non aduret [illegible] fulmen quia [illegible] [illegible]
impressiones ignite et fulmen sit [illegible] materie [illegible] cum [illegible]
est exhalacio calida et sicca ignita. Oppositum vult Aristoteles [illegible]
ponit duo genera fulminum quorum [illegible] vocat adustivum aliud
vero penetrativum et auctor [illegible] [illegible] apponit [illegible]
[illegible] est fulmen dissipativum [illegible] in ista questione [illegible] et primo de causis

et modis fulminis [illegible] est de effectibus vel causis effectuum
[illegible] fulminis. Quantum ad primum [illegible] quod coruscacio et fulmen sit
[illegible] materie [illegible] cum [illegible] est
exhalacio calida et sicca ignita
[illegible] quia coruscacio est exhalacio calida et sicca ignita [illegible]
[illegible] fulmen autem est exhalacio calida et sicca [illegible] [illegible] compulsa
[illegible] ad magnum impetum [illegible] terram [illegible] coruscacio est [illegible]
[illegible] [illegible] fulmen autem est [illegible] [illegible] [illegible] et [illegible]
[illegible] [illegible] [illegible] [illegible] coruscacio et [illegible] [illegible]
[illegible] fulmen autem et [illegible] [illegible] [illegible] quod duo sunt genera
fulminum [illegible] [illegible] fulmen penetrativum et adustivum [illegible]
penetrativum est [illegible] [illegible] est subtile [illegible] adustivum est [illegible] [illegible]
grossa [illegible] [illegible] fulminis et [illegible] quod fulmen est exhalacio
[illegible] [illegible] [illegible] compulsa usque terram. De causa [illegible] effectuum fulminis
[illegible] [illegible] non [illegible] dicebatur de tonitruo et coruscacione [illegible]
[illegible] est quod [illegible] fulminis est [illegible] [illegible] fulmen
[illegible] [illegible] et [illegible] [illegible] [illegible]. Quantum ad [illegible]
[illegible] dico quod [illegible] effectus fulminis [illegible]
aliquando [illegible] gladium [illegible] vagina et non
[illegible] vaginam. Et [illegible] pecuniam [illegible] bursa et non bursam et [illegible]
ossa et non carnem [illegible] cum est quod [illegible] ossa et tamen non
apparuit macula [illegible] carne [illegible]. Et causa est quia [illegible] vagina
gladii sit [illegible] [illegible] [illegible] quod fulmen sit exhalacio [illegible] ignita
vagina penetrabit absque [illegible] et quia talis exhalacio non diu manet
sic circa [illegible] vagine [illegible] [illegible] et [illegible] non [illegible]
[illegible] [illegible] [illegible] quod [illegible] [illegible] si [illegible] non circa [illegible]
[illegible] [illegible] non sibi [illegible] si [illegible] ponat manum suam super
[illegible] gladium [illegible] et [illegible] [illegible] non [illegible] [illegible]
[illegible] talis exhalacio penetrat vaginam inveniens [illegible] puta gla-
dium [illegible] magne [illegible] quod non potest penetrare [illegible] [illegible]
[illegible] [illegible] et [illegible] [illegible] [illegible] [illegible] [illegible] et pecunia
[illegible] et ossibus [illegible] effectus fulminis est quod aliquando [illegible]
[illegible] [illegible] penetrat [illegible] dissolvit et [illegible] [illegible] fulmen [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] forte [illegible] et [illegible] talis [illegible]
[illegible] Et aliqui [illegible] [illegible] quod talis divisio corporis
[illegible] [illegible] [illegible] cum lapidibus [illegible] fulmine [illegible]
non [illegible] sit quod cum fulmine cadunt aliqui lapides [illegible] [illegible]
fulmina [illegible] [illegible] divisionem [illegible] dissipacionem sicut sit [illegible]
[illegible] [illegible] effectus est quod fulmen aliquid denigrat et decolorat
[illegible] [illegible] quia [illegible] exhalacio est rara et levis quod non sufficit comburere
decolorat. [illegible] effectus est quod talis exhalacio [illegible]

comburit domum et corticem et hec materia est magis grossa et densa quam
que comburit. Quando materia magis densa tunc magis comburit sicut patet
de ferro ignito etc. cum enim est materia magis terrea magis comburit. Quintus
effectus est quod corpora combusta vel adusta a fulmine habent saporem
sulfureum. Et huius causa est quia fumus sive materia ipsius materie sunt
exhalacio. Sextus effectus est quod quandoque ventus sequitur fulmen et quandoque
precedit. Et eius causa est quia in generatione fulminis est exhalacio multa quando
tota transit ad generationem fulminis sed solum ea que est magis inflammabilis
alia autem exhalacio que est magis grossa et minus inflammabilis transit in
generationem venti et inde est quod magnus ventus precedit fulmen
vel est quia ventus magnus fit ipsum [illegible] sed dici quod exhala-
cio que est materia fulminis fortissime et velocissime expellitur et movetur
et movet velocissime aerem cum se et ipsam exhalacionem sic motam
aer insequitur et talis aer velocissime motus apparet esse ventus.
Septimus effectus est quod animalia que percutiuntur a fulmine sunt veneno-
sa ad comedendum sicut animalia occisa a morsu lupi vel a mor-
su canis rabidi. Et huius causa est materia venenosa fulminis [illegible]
[illegible] Octavus effectus est quod aliquando percutit et adurit dolea
vini remanente [illegible] et manente [illegible] materia dolea. Et si quis
potaret de tali vino statim moreretur vel fieret rabidus. Causa primi est
quia ex violentia percussionis fulminis fit quedam velox alteratio quae tota fit
consumptio vini [illegible] et [illegible] ad superficiem [illegible] ipsius vini
cum quadam siccitate generatur ubi quedam pellicula [illegible] circa vinum que
continet ipsum ac si staret in doleo. Et dicit [illegible] quod per duas
sic fit doleo [illegible] dies. Causa secundi est quia [illegible] est quod
fulmen racione sue materie [illegible] invectionem quia fulmen tale
inficit vinum quod qui potaret deberet mori. Nonus effectus quod si
fulmen percutit aliquod venenosum id fit non venenosum et si percutit
aliquod non venenosum id fit venenosum. Et huius causa est quia sepe videmus
quod ab eodem agente producuntur sepe contrarii effectus propter aliam
et aliam dispositionem materie. Unde videmus quod ventus candelam accensam
extinguit et extinctam reaccendit. Quod sit effectus contrarius [illegible]
[illegible] est possibile quod fulmen si percutit aliquod animal inducat aliquem
humorem putridum et venenosum et in aliquo animali quod possit alio
corpore humore consimilem sublevare. Decimus effectus est quod si aliquid
aliud ab homine percutitur a fulmine ipsum statim moritur sed sic non
est de homine. Unde homo aliquis [illegible] a fulmine absque hoc quod statim
moriatur. Oriuntur dubia quod [illegible] quia homo est honorabilius ad
[illegible] cetera animalia et fulmen [illegible] sibi [illegible] sibi quod
dictum est. Unde non potest dici quod hoc sit [illegible] a virtute hominis quia

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(margin: propter) sunt animalia fortiora homine sicut leo equus et similia que a fulmine
(margin: percussa) subito moriuntur. Vel potest esse causa quia homo est subtilioris complexionis
et est magis penetrativum ideo non invenit fulmen tantam resistentiam
in homine sicut in aliis animalibus grossis et compactis. Undecimus effectus
est quod aliquando fulmen [illegible] cogit de homine pecuniam vel digitum
[illegible] hominis invenit et non molestat. Aliud est fulmen quod non ledit
et percutit si non inficiat. Et huius ratio est quia aliquod fulmen est magis
venenosum racione materie et ideo inficiat una parte inficiat alias partes. Aliud
est fulmen non ita venenosum quod non ledit aliquam partem corporis vel
[illegible] Aliquando autem ledit aliquam partem corporis absque hoc quod [illegible]
Duodecimus effectus est quod si aliquis dormiens percutitur a fulmine talis
invenitur habere oculos apertos. Si autem vigilans percutitur a fulmine talis
invenitur cum oculis clausis. Et causa est quia ad dormiens percussus a fulmine [illegible]
[illegible] moritur quam possit claudere oculos et invenitur cum oculis apertis.
Si autem vigilans percutitur a fulmine [illegible] claudit oculos et antequam
moritur [illegible] possit eos aperire. Tredecimus effectus est quod percussa a fulmine
[illegible] Et huius ratio [illegible] est magis [illegible] alteratio
a fulmine. Unde videmus quod ad [illegible] sentiat se ad
[illegible] ipsius ita est [illegible] percussa [illegible]
[illegible] sic [illegible] a fulmine [illegible] super
Quartusdecimus effectus est quod aliquando ventus [illegible] matris [illegible]
a fulmine et occiditur [illegible] non. Et huius ratio est quia [illegible] ipsius
ventus ipsius [illegible] modica lesione [illegible] sic autem non est
de matre [illegible] forte et minus sibi notum et forte quod lesio
[illegible] Quindecimus effectus est quod [illegible]
[illegible] fermentum [illegible] autem non
[illegible] fermentum quod non [illegible] debet [illegible] cum materia
[illegible] sit venenosa [illegible] quod forte tale venenum
[illegible] et alia [illegible] veneno fulminis [illegible] non
[illegible] dictum est. [illegible] ad primum cum dicitur quod fulmen possit
[illegible] quod sit penetrativum [illegible] ante nube [illegible] acquirit sibi
[illegible] sui motum [illegible] quandam subtilitatem quam ipsum est
[illegible] Ad [illegible] dico quod [illegible] est in [illegible]
[illegible] dico quod in [illegible] ignite [illegible] sunt [illegible]
[illegible] quod non comburat et tamen [illegible] est valde [illegible]
[illegible] magis densa et [illegible] est [illegible] Unde [illegible]
[illegible] impressionibus ignitis [illegible] materie et materie [illegible]
[illegible] densa sue materie sunt [illegible]
[illegible] in differentia [illegible] possunt
percuti fulmine. Et videtur quod sic

10

[illegible]

[illegible]

[illegible]

[illegible]

fractionum radiorum visualium Circa ad[?] ſcdm e q ca[?]
[?] opi[ni]o antiquorum et a[?]
[?] poſſ[unt] ſuſtineri q[uod] viſio
fiet per mittendo [?] ſic q[uod] [?] corporea operat ab oculo
ad viſibile [?] oculos diminuit [?] ſic fiet viſio per mitte[ndo]
[?] ſit per multiplicationem [?] [?] in ſimilitudine ſpirit[ual]is [?]
quo color multiplicat [?] ſuas in medio et a[?] e ſua [?] in [?]
[?] que fit [?] in quo [?] q[uod] viſio fiat per [?] radiorum
viſualium Et [?] opinio[n]is [?] fuiſſe ariſtoteles [?]
[?] ubi reddet [?] quare oculi [?] videat [?]
q[uod] [?] aliquis [?] magis [?]
et [?] ariſtoteles q[uod] [?] viſus [?] et olfactus et [?] auditus
fiat [?] Et [?] opinio [?] ariſtoteles
[?] de [?] viſu [?] ſi viſio fiet per
mittendo [illegible]

[illegible]

De [?] et lo[?] ſecundum modum [?] et ſecundum veritatem Et [?]
de ſin[?] dicitur ipſum fuiſſe [?] opinionis [?] q[uod] [?]
ad [?] et ad [?] ſpectat [?] refert an viſio fiet
per mittendo ſecundum q[uod] ymaginabatur prima opinio vel fiat intus ſuſ-
cipiendo ſecundum q[uod] ymaginabatur 2a opinio q[uod] ſecundum utramque opinionem
[?] ymaginabatur lineae et anguli et fractiones [?] ſicut ad
aſtrologiam non refert an motus celi ſit [?] vel [?]
[?] utroque modo [?] ymaginando [?] orbes et aſpec-
tus planetarum Circa ad[?] [?] ſcdm e q[uod] radiorum vi-
ſualium [?] dicitur [?]
[?] [?] radii [?] dicuntur
qui [?] ſunt refracti vel ſunt reflexi [?] aut
[?] radii [?] ad [?] via ad quam e viſibile vel viſus
[illegible]



Tercio advertendum est quod si
dicta fractio [illegible] procedere incidens [illegible] obliqua patet quod si [illegible] in medio uniformi non
quod visibile in medio uniformi non possit videri in loco in quo
est [illegible] quod visa refractione vel fractione
fractum non videtur in loco in quibus [illegible] patet per denarium
visus posito in aqua oculo conspiciente in aere [illegible] supposito aspectibus
[illegible] Secunda quod ubi radius frangitur perpendicularis super
superficiem media diversarum diaphaneitatum distinguentem sine
reflexione vel transit ulterius patet quod non [illegible] quare magis ad partem
unam quam ad aliam infrangitur et hoc quod est [illegible] supposito aspectibus
[illegible] Tertia quod radius obliquus incidens super superficiem media
diversarum diaphaneitatum distinguentem frangitur patet per experientiam nam
si capiatur aliquod vas plenum aqua et in fundo eius ponatur denarius
et videbitur ab aliqua distantia a qua non videretur si vas esset plenum
aere quod non potest salvari nisi per fractionem radiorum obliquorum incidentium
super superficiem media diversarum diaphaneitatum distinguentem verbi gratia sit
a g vas plenum aqua et sit a b superficies aque et sit c denarius
in fundo vasis et sit e oculus tunc patet si vas esset plenum aere e non videret
c quia latus b g impediret et tamen contingit quod e videt c cum vas
est plenum aqua et non per lineam rectam sed per aliquam lineam scilicet per lineam
d e [illegible] denarius in aqua apparet aeri quando si videretur [illegible]
solo aere quod non esset nisi sola fractione fieret in ipsis radiis incidentibus obliquis
[illegible] Quarto advertendum est [illegible] sit prima quod radius obliquus
incidens super superficiem [illegible]
media diversarum
diaphaneitatum a medio rariori ad medium densius frangitur ad perpendicularem
[illegible] sic quod fractio [illegible] in medio [illegible] et [illegible] perpendiculariter
ducta a puncto fractionis [illegible] sit superficies a b [illegible]
aqua et super quam sit aer et incidat radius f c super superficiem a
b tunc dico quod frangitur ad perpendicularem sic quod fractio [illegible]
[illegible] f c [illegible] in medio [illegible] et [illegible] perpendicularis
ducta a puncto fractionis [illegible] hoc [illegible]
[illegible] radius perpendicularis est fortior [illegible]
[illegible] est fortior quia [illegible] et fortis [illegible]
[illegible] eius [illegible] radius [illegible] in medio densiori [illegible]
[illegible] in medio [illegible] debilior quam [illegible] radius [illegible]
[illegible] perpendicularis [illegible] abstrahere [illegible] actionem eius [illegible]

debilitatur ergo advertendum [illegible] fortius sicut accidit sit declinatio
seu in medio rectius appropinquando ad perpendicularem et [illegible]
Secunda quod radius obliquus incidens a medio densiori ad medium rarius
frangitur a perpendiculari ita quod in medio [illegible] perpendiculari et
fractionem [illegible] sit a b superficies sub qua sit aqua et super quam sit aer
super quam obliquus incidat radius f c tunc dico quod frangitur a perpendiculari
[illegible] sic quod [illegible] fractio f c et perpendicularis [illegible] declinat in
[illegible] rectius [illegible] quia [illegible] sunt [illegible] sicut raritas
medii facit fractionem appropinquare ad perpendicularem sic densitas
medii facit declinare a perpendiculari [illegible] quod raritas et densitas
contrariantur et sola appropinquare ad perpendicularem et declinare a perpendiculari
[illegible] contrariantur. Et [illegible] si c et f [illegible] oculus
[illegible] per lineam [illegible] videt f [illegible] videt [illegible] est
patet quod [illegible] f et c declinabit a perpendiculari ita c [illegible] declinabit
a perpendiculari [illegible] Tertia quod [illegible] locus imaginis
seu apparentie [illegible] linee [illegible] ab oculo per
[illegible] fractionis ad lineam [illegible] perpendicularem [illegible]
super superficiem media diversarum diaphaneitatum distinguentem vel dividentem
[illegible] sit b superficies sub qua sit aqua [illegible] sit [illegible]
[illegible] oculus [illegible] dico quod f [illegible]
[illegible] ad lineam c [illegible]
super superficiem a b [illegible] est [illegible] in puncto c [illegible] oculus
[illegible] in medio densiori et visibile in medio rariori [illegible]
[illegible] dispositione oculi [illegible] visibile [illegible]
[illegible] in puncto [illegible] visui [illegible] sit [illegible]
[illegible] dispositione oculi [illegible] in medio densiori et visibile in
[illegible] judicat [illegible] visibile [illegible] in loco [illegible]
[illegible] sit [illegible] videtur [illegible]
[illegible] linee [illegible] ab oculo [illegible] fractionis [illegible] usque in linea
[illegible] ducta [illegible] visa ad superficiem [illegible] duo media [illegible]
[illegible] speciem ad superficiem [illegible] speciem in puncto
[illegible] plus [illegible] est [illegible] oculus et [illegible] visibile et
[illegible] visibile apparet [illegible] visui [illegible]
[illegible] in medio [illegible] non videtur
[illegible] locus imaginis [illegible] in puncto
[illegible] quod [illegible] oculus [illegible] aqua et [illegible] visibile in ad

quod si visibile appareat remocius visui quam si esset in eodem medio
quod patet nam si continue in eodem medio non videretur per lineam refractam
patet eciam quia locus ymaginis eius fit in puncto in Tercio instancia
quod oculus continetur in medio rariori et visibile in medio densiori visibile
apparet propinquius visui quam si videretur per medium uniforme. Quarto
instancia quod oculus continetur in medio densiori et visibile in medio rariori visi-
bile apparet remocius visui quam si medium esset uniforme.
Quinto instancia quod baculus stans perpendiculariter in aqua et perpendiculariter in aere
et non perpendiculariter stans in aqua apparet fractus patet quia medietas
eius continetur in aqua apparet propinquior visui quam si videretur per
medium uniforme. Medietas autem que est in aere apparet in eodem
loco in quo esset si esset per medium uniforme. [illegible] si baculus
sic stat in aqua apparet fractus. Sexto instancia si baculus stans
in aqua perpendiculariter non apparet fractus patet quia tunc omnes radii
incidentes in ipso in baculo sunt perpendiculares [illegible]
medietas continetur in aqua apparebit brevior de baculo quam sit in rei
veritate similiter quam appareret si in medio esset uniforme et alia
medietas ipsius continetur in aere apparet longior si oculus est in aqua
patet quia eius punctus medietatis in aqua apparet altior quam sit in rei
veritate et propinquior visui ex quo autem est oculus continetur in aqua et visibile
continetur in aere. Septimo instancia quod denarius a oculo apparet in aqua oculo
continente in aere quod appareret quando esset extra aquam patet eciam quia tunc
videtur sub maiori angulo et apparet propinquior visui quam sit in rei
veritate [illegible] quod non videtur per medium uniforme [illegible] sit denarius
f c et sit in aqua et sit superficies m n dividens aquam ab aere et
sit oculus c tunc si f c perpendicularis non sit ita videretur sine per medium
uniforme tunc videretur sub angulo c c f si quia videretur perpendicularis sit ita
et videretur in aqua secundum lineas procedentes ab oculo ad lineam continentem aerem
visa cadente super superficiem m n sic c apparet in puncto d et
f in puncto g in f c videretur sub angulo e c f quia d c a est angulus
d c g ad totum suam partem sit maior et tunc ulterius ad d et g quando
sit quod aqua sic denarium apparet quod aqua equaliter est si oculus
esset in aqua et denarius in aere. Octavo [illegible] videatur in aqua oculus
non instancia considerando quod stellas apparent quando sunt in orizonte
quam quando sunt in medio celi patet quia tunc propter interposicionem vaporum
apparent maiores. Nono instancia causa tunc apparent propinquiores super orizontem.
Decimo instancia quod stelle et stellas [illegible] non sole apparent super orizontem

distancie quam cum [illegible] est sub orizonte et tunc per refraccionem lucis
stellarum vel solis super orizontem. Undecimo instancia
quod visa res visa videretur per medium diversarum diaffonitatum et fit sic
cum tunc apparet in loco ad quem sit in rei veritate. Duodecimo
quod oculus stelle que non sunt in circuitu capitis nostri apparent
in alio loco quam sit in rei veritate videtur enim per medium diversarum
diaffonitatum sicut [illegible] et patet et ad hoc oculus stelle que non
sunt in circuitu capitis nostri posito quod medium non esset uniforme
apparent in aliis locis quam sunt in rei veritate in fundo locorum
visionis non apparerent quare est ubi stelle usque adulterium
fundi in alterius spere transite lineam continentem aerem ter
terrestrem et stelle usque adulterium sperarum et hoc intelligitur de eis
stellis que non sunt in altero stando ut sunt in circuitu capitis nostri
de talibus enim stellis moueri circuitu [illegible] Adiciendum pulchre ad pro-
positum quod non visus capitur secundum [illegible] visio non fit radio visuali
[illegible] radio visuali et non species visibilis et ad dictum
[illegible] quod visio fiat per emissionem radiorum quia non radius visualis
[illegible] radius emissus ab oculo super visibile sed emissus a visibili
super oculum [illegible] ad hoc dico simile quod radius visualis frangitur
non frangitur in medio densiori quia non esset tunc quare
visus frangitur et usque unam partem magis quam usque aliud [illegible]
quare visus frangitur quia radius obliquus incidens magis frangitur ad
unam partem quam aliam sed radius obliquus incidens frangitur in occursu
medii densioris [illegible] radios et [illegible] non sunt eiusdem nature et patet quod
Utrum aliquid corpus super
super superficiem reflectitur aliquid
corpus non super superficiem medietatis sicut lineam spece
[illegible] et quod non videtur sicut quod actus intromissionis de
[illegible] est [illegible] quia non ad lineam quam est [illegible]
reflectetur a superficie alicuius corporis
[illegible] et aquo [illegible] et [illegible] reflectitur [illegible] super
[illegible] ut [illegible] aquo ad [illegible] intromittit
[illegible] Consimiliter ad reflexionem lucis vel ad lucem quod
[illegible] superficie reflectente reflecti ut [illegible] ad lucem nomine
[illegible] corporis reflectentis si [illegible] actus intromittit [illegible]
opacum [illegible] non [illegible] corpus reflectens lucem est
[illegible] omnis actus lucis et lumen et [illegible] non [illegible]
[illegible] cum agens ulterius suam speciem [illegible] sic [illegible] si

Secundo est videndum quod quodlibet corpus politum possit fieri speculum sicut
fit speculum ex vitro [illegible] [illegible] [illegible] quamvis [illegible] non
quodlibet corpus reflectere [illegible] quodlibet corpus politum possit fieri radium et speciem
radiantem [illegible] ad oculum et ad [illegible] vel radius fit [illegible]
[illegible] ipsius rei sequitur quod quodlibet corpus politum possit fieri speculum
sicut speculum. Tertio sic si quis est videre [illegible] quod nulla species
possit [illegible] oculum [illegible] per [illegible] quia [illegible] corpus quodlibet
corpus reflectere [illegible] [illegible] [illegible] sit quoddam corpus reflectens [illegible] in
[illegible] et non permittit eam [illegible] usque [illegible] [illegible] vel [illegible]
[illegible] ubi fit visio. Quarto sic [illegible] quod quodlibet corpus reflectere
non solum lucis et species coloris [illegible] [illegible] [illegible] incidentes super
ipsum. Secundo [illegible] quod [illegible] [illegible] [illegible] de reflexione visibilium seu
de reflexione specierum lucis et coloris [illegible] quaedam [illegible] [illegible] [illegible]
[illegible] ita [illegible] non [illegible] [illegible] [illegible] [illegible] reflexione [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] de reflexione [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] de reflexione [illegible]
[illegible] [illegible] non [illegible] [illegible] non [illegible] [illegible] [illegible] [illegible] [illegible]
non [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] de reflexione [illegible] coloris
[illegible] de reflexione specierum [illegible] vel [illegible] [illegible] [illegible] reflectitur [illegible]
[illegible] [illegible] et a corporibus super quae incidit. [illegible] [illegible] [illegible] quodlibet corpus
[illegible] densius [illegible] densitas [illegible] reflexionis [illegible] corpus [illegible]
[illegible] reflectit virtutem super ipsum incidentem. [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] reflexio lucis vel coloris sufficiat ad [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] virtute [illegible] [illegible] [illegible]
[illegible] [illegible] et reflecti non est [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] ad [illegible] corpus ubi [illegible] [illegible] distantia [illegible] [illegible]
[illegible] [illegible] multiplicat [illegible] [illegible] [illegible] non [illegible] [illegible]
[illegible] virtutis [illegible] [illegible] virtutis [illegible] [illegible] [illegible] reflexio [illegible]
[illegible] non fit [illegible] [illegible] [illegible] [illegible] multiplicat [illegible]
[illegible] superficie et [illegible] [illegible] [illegible] non multiplicat [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
non [illegible] [illegible] [illegible] quod [illegible] reflexio vel refractio fit [illegible]
[illegible] [illegible] [illegible] virtutis [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] quod quaedam reflexio est ad angulum

rectum et quaedam est ad angulum acutum et quaedam ad angulum obtusum.
Reflexio ad angulum rectum dicitur quando radius incidens super superficiem
reflectentem incidit perpendiculariter super eam superficiem et tunc [illegible] [illegible] [illegible]
[illegible] incidens et reflexus [illegible] [illegible] perpendiculariter [illegible] ad reflectentem
[illegible] ipsum et [illegible] [illegible] [illegible] angulus [illegible] et angulus [illegible] fit
[illegible]. Reflexio ad angulum acutum fit quando radius incidens
et reflexus causant angulum acutum. Reflexio ad angulum ob-
tusum est quando radius incidens et radius reflexus [illegible] angulum ob-
tusum. [illegible] [illegible] videbitur quod iris [illegible] consistit ad angulum
acutum, halo autem [illegible] consistit ad angulum obtusum [illegible]
[illegible] [illegible] quod [illegible] angulus incidentiae et [illegible] [illegible] angulus reflex-
ionis est acutus [illegible] quando radius incidens est [illegible] tunc [illegible] angulus
incidentiae est rectus et similiter angulus reflexionis. [illegible] autem radius inci-
dens est obliquus tunc [illegible] angulus incidentiae est acutus [illegible] non
angulus reflexionis [illegible] [illegible] [illegible] angulus incidentiae [illegible] [illegible] [illegible] acutus
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] nisi sit impedimentum [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] ita quod illi [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] corpus calefieri [illegible]
[illegible] [illegible] non [illegible] [illegible] [illegible] [illegible] [illegible] virtute [illegible]
[illegible] [illegible] [illegible] [illegible] visibile [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] distantia [illegible] visibile [illegible] [illegible] visibile [illegible]
[illegible] [illegible] non [illegible] [illegible] [illegible] visibile [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] ita [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] densitas [illegible] [illegible] [illegible] multiplicatione
[illegible] [illegible] ita [illegible] [illegible] [illegible] multiplicatio virtutis [illegible] [illegible]
[illegible] [illegible] densitas non est [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] corpus [illegible] [illegible] [illegible]
[illegible] ita [illegible] sentiunt calorem [illegible] ac si esset corpus
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] densitas [illegible] multiplicatio virtutis [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] non [illegible] [illegible] [illegible] [illegible]
[illegible] densitas corporis impedientis et reflectentis tunc multiplicatio
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
corpus fit reflectens et [illegible] [illegible]. Certa [illegible] [illegible]
[illegible] corpus [illegible] reflectit aliquam virtutem incidentem super ipsum [illegible] [illegible]
[illegible] corpus [illegible] [illegible] [illegible] et reflectit virtutem cadentem super ipsum

quia tamen contra quartum quia dicebatur quod densitas est causa reflexionis cuius
patet quia quodque aliud corpus est similiter [illegible] compositum eius quod tamen aer totum
positum non faciunt. Secundo aliud corpus aequaliter densum non est aliud ita
fortasse si illud corpus esset magis densum et ideo omne corpus sit aequaliter
densum ideo est de se sicut compositio alterius aliud non generat quod [illegible]
uniformis similiter [illegible] et hoc est reflecti quod tamen non sit principium
localis sed perfectionis non quo dicitur est. Secundo inferendo primo quod ubi
est densitas ibi est reflexio et ubi utrumque [illegible]
Secundo inferendo quod ubicumque sit fractio ibi sit aliqualis reflexio sed non
e contra patet quia ubicumque sit fractio ibi est aliqualis densitas sed ubi-
cumque sit aliqualis densitas ibi sit aliqualis reflexio sed si esset tanta
densitas quod similiter reflecteret et transitum utriusque impediret tunc
fieret reflexio et non fractio. Sed tamen sciendum quod non semper ubi sit fractio
ibi sit reflexio sufficiens. Contra quod non aliquid corpus reflectit
[illegible] et utrumque incidentem super ipsum patet quia aliquid sit [illegible]
densitatis quando diversitas sit aer aqua et huiusmodi et tamen non reflec-
tunt [illegible] radium incidentem et utrumque super ipsa [illegible]
[illegible] non reflectitur patet quia si esset unus oculus in aqua
et unus supra aquam quilibet [illegible] posset videre solem sed qui esset supra
superficiem aquae videret solem perfectum sed qui esset infra aquam
et videret supra aquam videret solem [illegible] et non [illegible]
reflexionem quia quemlibet radium [illegible] aquae ita quod oculus
in aqua [illegible] videret solem. Secundo [illegible] ipsam aquam non [illegible]
[illegible] radium solis incidentem super ipsam. Respondeo quod [illegible]
[illegible] multiplicatione utriusque [illegible] alteratione sit ali-
qualis reflexio patet et sicut similiter dicebatur [illegible] alteratione [illegible]
[illegible] orbicualiter sed cum [illegible] sit multiplicatio [illegible]
corpus densius sicut aer [illegible] quod [illegible]
[illegible] sit reflexio. Contra adhuc arguitur suppono quod
[illegible] quod radius lucis [illegible]
[illegible] visibile ipso visui

Et ad huius [illegible] quod [illegible]
[illegible] super oculum quod [illegible] ordinatio [illegible]
radios [illegible] oculo ita quod sit [illegible] videre [illegible] dispositio [illegible]
non [illegible] suppono quod radius [illegible] super super-
ficiem [illegible] puta super superficiem [illegible] et non [illegible]
[illegible] et [illegible] quod non potest venire [illegible]
oculum. Tertio suppono quod radium reflexum sufficit ad [illegible]

est ipsum sufficit sicut vel [illegible] vel [illegible] sit mo[illegible]
[illegible] quod [illegible] radiatis apparet [illegible]
ipsum [illegible] aqua fortis et non [illegible] sit [illegible] non [illegible]
reflexio speciei lucis vel coloris sufficit ad [illegible] patet quod reflexio
[illegible] superficie non sufficit ad [illegible] patet [illegible] quod
[illegible] super superficiem [illegible] corporum [illegible] et [illegible]
quod non potest [illegible] venire [illegible] supposito et tamen [illegible]
[illegible] ut sufficit ad [illegible] [illegible] [illegible]
[illegible] quod ita debet reflecti [illegible] medium densitatis corporis quod
[illegible] reflectitur super ipsam sit ita debiles quod non potest
[illegible] [illegible] non sufficiunt ad [illegible]
suppositum et [illegible] patet de se. Secundo inferendo primo quod [illegible] et lapi-
des [illegible] reflectit sufficienter speciem coloris vel lucis tamen non [illegible]
ad [illegible] corporis [illegible] superficiei reflectentis [illegible] corporis.
Secundo inferendo quod quandoque aer reflectit speciem coloris vel lucis [illegible]
aer non sufficit ad [illegible] quod [illegible] debet reflectere [illegible] quod est [illegible]
densitatis [illegible] patet [illegible] Et [illegible] est quod [illegible]
superficiebus regularibus sit melior reflexio lucis vel coloris
[illegible] sit melior reflexio aliarum [illegible] et [illegible]
[illegible] [illegible] tractatu suo de radiis [illegible]
[illegible] est una regio quia [illegible] diu vivunt quod
[illegible] decorem vita et [illegible] ad [illegible] diu [illegible]
[illegible] et sic [illegible] Et [illegible] quod [illegible]
[illegible] sunt aqui [illegible] lenes et [illegible] superficies
[illegible] vel [illegible] et [illegible]
[illegible] vita Et [illegible] sunt [illegible] longioris vite [illegible]
[illegible] non esset [illegible] reflexio [illegible] non posset [illegible]
[illegible] adipolo et [illegible] magis [illegible] quod est [illegible]
[illegible] reflexio et [illegible] radiorum solarium [illegible]
[illegible] soluta et [illegible] Ad [illegible] dici quod sit [illegible]
[illegible] dicebat quod non [illegible] corpus reflectat [illegible]
reflectit super ipsum. Et ego dico quod quandoque superficies [illegible]
[illegible] speciei coloris [illegible] super ipsam non tamen [illegible]
quod superficies [illegible] oculo [illegible] quia sit visio et
[illegible] oculo [illegible] reflecti patet [illegible] quod [illegible] videt
[illegible] oculus [illegible] speculo [illegible]
quod non [illegible] nobis [illegible] reflexionis [illegible] coloris

qr [illegible] quod [illegible] de refraccione speciei lucis vel coloris possunt
[illegible] i. [illegible] sicut vel odoris Verbi utriusque refraccione

sit debilior utriusque
non refractis Et est quod

quod sint fortiores non aliquando [illegible] requirunt et [illegible] adiutorium
refraccionis quod non [illegible] adiutorium directe mouentes ergo utriusque
refraccione utriusque non refractis sed directe mouentibus sunt fortiores
[illegible]

[illegible]

[illegible] et refracti [illegible] reflexione non sunt ita fortes [illegible]
[illegible] sed sic [illegible] directo [illegible] mouentes [illegible]
[illegible] quod radius refractus non est tante efficacie ut [illegible]
[illegible] si [illegible] recto [illegible] quod radii refracti radiis
non refractis sunt debiliores [illegible] quod primo ponende sunt [illegible]
[illegible] et deinde [illegible] [illegible] sit [illegible]

[illegible]

pubs et radius reflexus e radio incidente debilior si non fiat
fortificatio per aggregationem patet id quia radius reflexus longius distat
a fonte quam radius incidens et consequenter causa debilitatis radii ipse
secundo quia per experientiam nam si intrat lux solis per fenestram ...
domus super aliquod speculum et reflectatur ab eo speculo ad aliquem parietem
domus tunc experientia docet quod lux circa speculum est intensior quam
super parietem ...

[illegible]

[illegible]

et quedam superficies sphærica et adhuc speculorum quedam sunt superficiei
ex simplicibus sphæra que superficies [illegible] convexa [illegible]
[illegible] sphæra et alia [illegible] adhuc speculorum que sunt [illegible]
sunt specula calibea et [illegible] et quedam [illegible] et [illegible] spe-
culorum quedam sunt maioris quam prima et que in [illegible] speculorum que sunt
[illegible] recte visum et que oblique [illegible] adhuc speculorum que sunt [illegible]
et que non sunt colligata saltem [illegible] adparere [illegible] speculorum
ponende sunt quot et primo videndum est quod sit incidens aliqua linea super
aliquam superficiem perpendiculariter sive ita sit plana sive concava vel
convexa. Secundo ponende sunt suppositiones aque. Quo [illegible]
adprimum dico quod aliqua linea incidit perpendiculariter
super aliquam superficiem et ipsam sic incidit
quod ex utraque parte causat angulos equales et non oportet quod illi anguli
sint recti sed solum quando aliqua linea incidit super aliquam superficiem
planam cum vero aliqua linea cadit perpendiculariter super superficiem concavam
ex utraque parte causat angulos equales sed aliquis non sunt recti sed [illegible]
et [illegible] angulo recto et [illegible] angulo contingentie cum autem cadit perpendiculariter
super superficiem [illegible] ex utraque parte causat angulos equales [illegible]
et [illegible] recto et [illegible] angulo contingentie cum autem aliqua linea cadit
perpendiculariter super superficiem planam [illegible] angulos [illegible] constituit quod
utraque parte sunt equales. Secundo notandum primo quod si plures linee
cadunt perpendiculariter super aliquam superficiem planam omnes sunt
eque distantes. [illegible] si essent infinite per [illegible] linee eque dista-
rent [illegible] si in infinitum protraherentur [illegible] et directum non concurrunt
sit autem et de istis lineis perpendicularibus secundo notandum quod quamquam
linee cadunt super superficiem concavam perpendiculariter non sunt eque
distantes [illegible] si protrahuntur usque centrum [illegible] et directum
concurrunt in centro et [illegible] non sunt eque distantes. Tertio notandum quod
quamquam linee cadunt perpendiculariter super superficiem convexam non sunt eque
distantes [illegible] quod concurrunt in centro. Tunc sit prima suppositio quod si
alique linee cadunt perpendiculariter super aliquam superficiem concavam que
vadunt approximando seu appropinquando. Secunda suppositio est quod [illegible]
linee cadunt perpendiculariter super aliquam superficiem convexam [illegible]
[illegible] ad convexum vadunt ab invicem elongando. Tertia [illegible]
quod angulus incidentie et angulus reflexionis in speculo [illegible]
sunt equales [illegible] quod sit radius incidentie [illegible] et cadit super
speculum a b [illegible] [illegible] vertice [illegible] dico quod
radius incidentie [illegible] causat unum angulum [illegible] equalem angulo in-
cidentie [illegible] [illegible] [illegible] quod angulus incidentie [illegible]

speculi et [illegible] causat unum angulum reflexionis [illegible] et [illegible] causat
angulum [illegible] tunc [illegible] angulus que causat [illegible] reflecti et [illegible]
superficie reflectente est angulus reflexionis [illegible] et angulo que
causatur [illegible] superficie [illegible] et equalis angulus inci-
dentie [illegible] et sibi [illegible] decima quinta
[illegible] euclidis sunt equales [illegible] angulus reflexionis [illegible] angulo
incidentie est equalis. Quarta suppositio locus ymaginis rei visibilis per
reflexionem est [illegible] radius visualis [illegible] cathetus et producta visua-
[illegible] linea ymaginata [illegible] [illegible] reflexio-
[illegible] et directum cathetum [illegible] linea ymaginata [illegible]
cadens super superficiem speculi perpendiculariter [illegible] ultra [illegible] et
directum [illegible] quod non [illegible] quod cathetum [illegible] ad
superficiem speculi [illegible] [illegible] quando [illegible] est [illegible] superficiem
speculi [illegible] superficies [illegible] tunc sit [illegible]
[illegible] in speculis planis [illegible] apparet [illegible] quantitas rei [illegible] sit speculum
planum a b et visibile sit b et oculus c d et oculus e et protrahantur
catheti e f et d g et radii visuales e g et e f [illegible]
[illegible] [illegible] est quantitas [illegible] ipsius visibilis [illegible] equalis visibili [illegible]
equale [illegible] vera quantitas rei [illegible] apparet in speculo plano
Secundo [illegible] in speculo concavo res apparet [illegible] si esset in loco
speculi et directo aspectu videretur [illegible] quod radii visuales [illegible]
perpendiculariter super speculum [illegible] vadunt [illegible] appropinquando
[illegible] et [illegible] locum occupat in speculo quam res visibilis
[illegible] in istis speculis res apparet [illegible] res visibilis
in speculo [illegible] apparet [illegible] sit in rei [illegible] quod radii
[illegible] visibili super speculum [illegible] perpendiculariter et [illegible]
elongando [illegible] [illegible] suppositionem [illegible] locum occupat in speculo
[illegible] occupat res visibilis et [illegible] angulum [illegible]
[illegible] que incidunt super superficiem speculi [illegible] quod angulus
[illegible] angulo reflexionis et equalis [illegible] [illegible] quod rei
[illegible] apparet maior in speculo [illegible] quam sit in rei [illegible]
[illegible] in speculo columpnari sive sit concavum sive convexum res apparet
[illegible] sit in rei [illegible] apparet [illegible] oblonga et
[illegible] quod [illegible] longitudinem sunt linee recte et [illegible] longitudo rei
visibilis apparet [illegible] tanta quanta est [illegible] visibile est [illegible] ubi est
[illegible] prima suppositio et quod longitudo ipsius speculi [illegible]
[illegible] sive concava vel convexa et [illegible] latitudo
ipsius rei visibilis apparet maior quam sit vel [illegible] sit [illegible]
latitudo speculi est concava et latitudo rei visibilis apparet minor

Si autem latitudo speculi est [illegible] quam latitudo rei apparet a[illegible]
ponende sit quod quo ad specula diuina convenit et aptitudinem
et sit facta suppositio quod si facta rei obiecta speculo non appareat perfecte
eorum nisi reflexio sit uniformis et ordinata patet quia representatio perfecta
ymaginis corporis non sit continuo speculo quo partes sunt ordinate in corpore
lucido reflexio sit uniformis isto supposito sit prima conclusio quod speculum
asperum non representat faciem quia omnes radii incidentes incidunt in
eodem ordine tamen ad reflectendum tunc reflectuntur difformiter et differen-
ti ordine et diuersificantur radii reflexi ita quod una pars rei
representatur hic et alia ibi et hinc inde difformi ordine in speculo
aspero non potest apparere facies rei obiecte quia tunc esset suppositio et ante patet
quia pars asperitatis speculi sit sicut corpus patet sicut partes et aliud corpus
consimile reflectat speciem rei tamen propter asperitatem talis corporis non fit
sic reflexio quod possit representare faciem rei obiecte Et corollarium quod si
speculis asperis appareat lux vel color et non figura Secundo conclusio
apparet quod quando [illegible] est una spelunca ergo speculum lene et
sufficienter condensatum representat faciem et colorem rei obiecte debite patet
quia in eo radii incidentes incidunt eodem ordine et radii reflexi
reflectuntur eodem ordine ergo quando sic fit tunc potest apparere facies ymago
rei propter [illegible] Secundo corollarium sequitur quod omne corpus lene sufficienter
condensatum et quod [illegible] politum potest fieri speculum ad reflectendum et re-
presentandum faciem et colorem sicut sit ferrum calibs et cetera De inde
patet quod est de speculum [illegible] radiis et [illegible] Et sit ergo quod
densitas non est efficax neque visibilis tunc esset reflexio non est efficax patet
de aere [illegible] cum aer est [illegible] diaphanus in quibus reflectitur
tamen est reflexio non efficax Et propter hoc esset ut reflexio fiat efficax
in radio corporis suppositio cum plumbum vel etiam contra densa [illegible]
fiat reflexio non [illegible] Sed de primo videtur quod aer reflectit notabiliter
aliter cum antiphonus faciem suam non vidisset ac [illegible]
[illegible] quod hoc bene probat quod aer propinquus grossus humidus
bene notabiliter reflectit sed bene constat [illegible] quod se non fecit in [illegible]
[illegible] cum humidus grossus [illegible] domum apparet sibi
[illegible] plateis quod unus [illegible] eum et [illegible] eum et unde
tamen retro se quando est [illegible] cum se non se potest [illegible]
[illegible] et magis de eo quod [illegible] visio cum aer [illegible]
[illegible] quod non potest notabiliter reflectere tamen quia ipse habet oculos de-
biles et humidos grossis humoribus et [illegible] condensatis aer
[illegible] sic aer tamen sufficit reflectere faciem eius sed hoc non accidit
aliis habentibus [illegible] oculos claros quia non [illegible] conservabat De-
inde videndum est de ymaginibus et [illegible] speculorum Et speculum potest esse

ita primum quod non representat nisi unam modicam partem rei obiecte et tunc
non representat faciem totam [illegible] quod si essent multa etiam specula
[illegible] se invicem posita sic quod quodlibet eorum representaret partem rei obiecte tunc
representaretur facies et colores et tunc speculum magis distinguit eorum
[illegible] partes est clara et non videtur facies et colores et ita tunc speculum
partes sit [illegible] accidit in apparentie [illegible] et [illegible] De inde
videndum est de speculis aliter et aliter situatis [illegible] diuersa situata
[illegible] uaria angulis incidentie super speculum [illegible] et angulus
refractionis et [illegible] apparentia rei in speculo [illegible] quod si non
[illegible] obstaculum in speculo vel inter speculum et rem obiectam speculo tunc
[illegible] partem visibilis appareret in qualibet parte speculi non [illegible] eodem et contra
situ ita quod si res obiecta ante speculum esset facies [illegible] tunc
[illegible] parte speculi [illegible] appareret unus oculus puta oculus dexter
et sinister [illegible] non [illegible] situ quia ad situm oculus [illegible]
videre appareret dexter oculus [illegible] ad situm appareret oculus sinister Et
[illegible] est [illegible] puncto in visu [illegible] puncto vel parte spe-
culi [illegible] radiis [illegible] si [illegible] reflectitur radius [illegible]
[illegible] parte speculi [illegible] et [illegible] situ [illegible]
oculus dexter in una parte speculi non potest videre sinister [illegible]
parte speculi [illegible] situ vel [illegible] situ speculi [illegible]
speculi [illegible] quod si ymago [illegible] tunc
ymago [illegible] rei obiecte [illegible] parte
speculi De inde videndum est de speculis quo ad colores eorum unde dico
quod [illegible] speculum est coloratum [illegible] tunc [illegible] appareret color speculi
et color rei obiecte speculo appareret eum quia [illegible] color [illegible]
[illegible] quod speculum representat [illegible] colorem rei obiecte speculo [illegible]
quod non [illegible] colorem [illegible] aliud a colore visibili Et [illegible]
sit [illegible] medium inter speculum et visibile obiectum speculo [illegible]
speculo [illegible] alterius coloris aliquo a colore rei visibilis obiecte
de colore [illegible] quod sic non sit tunc [illegible] error et deceptio in [illegible]
[illegible] rei visibilis obiecte speculo [illegible] quare sit [illegible]
se [illegible] [illegible] ad primum [illegible] speculum representat
[illegible] dico quod bene verum est si [illegible] representat [illegible] tunc esset re-
soluta [illegible] non est [illegible] figura rei obiecte speculo [illegible]
[illegible] Ad [illegible] dico [illegible] non
et ad [illegible] colorem potest videri facies ergo [illegible] potest videri [illegible] colorem
color [illegible] est [illegible] colorem [illegible] bene [illegible] tamen non [illegible]
bene probat potest videri [illegible] facies rei obiecte speculo [illegible] dico quod
quod [illegible] color [illegible] facies [illegible]

quod color videtur sibi sicut est cum est color. Ad quintam dicitur sicut ...
... dico quod non probat plus nisi quod color non inpunctur sibi sicut
... tamen stat quod color potest apparere absque sicut est rei ...
speculo. Sed dico quod ... videtur ... speculum ... ac si esset in speculo.
Dico quod ipsum est res cum radius incidunt super speculum ... res non
apparet in loco in quo est sed in alio ... non est ymago quod ymago
sit una res in speculo quia ibi videtur posito quod obiectum ...
... speculum ... appareret ... ad locum rei ...
... appareret sicut ipsa res obiecta speculo ...
... appareret ... alibi quam sit in rei veritate. Consequenter
quaeritur ... apparitione
ipsius halonis ...

[illegible]

halo apparet diversorum colorum ...
... vapor ... est magis densa ...
... halo ... apparet ... coloris ...
... vapor est ... densa ... quod astrum ...
... halo apparet coloris ... ad colorem puniceum ...
... vapor est magis tenuis ... halo apparet coloris ... ad
colorem album. In oppositum est Aristoteles in littera ... quod halo
... reflexione radiorum visualium super vapores ad astrum ...
Aristoteles ... loquendo antiquorum mathematicorum ...
... visionem ... extramittendo ... dicta sit ...
... quod halo fiat per reflexionem radiorum ...
... halo ...

[illegible]

ergo et tunc non apparet halo. Secundo quia luna non est ita productiva caloris ideo non tantum desiccat vapores verum etiam condensat propter participationem humiditatis. Ideo halo pluries apparet circa lunam quam circa solem. Habemus secundo quod quando halo manet et fit indeficiendo tunc est signum serenitatis propter quod tunc iste vapor est consumptus et qui possunt condensari et converti in aquam propter [illegible] ex materia pluviae. Tertio infertur quod quando materia in qua apparet halo scilicet vapor inspissatur tunc quod halo circumcirca scinditur et astrum tunc occultatur est signum futurae pluviae propter quod ille vapor tunc condensatur in nubem et demum fit pluvia. Quarto infertur quod quando materia in qua apparet halo apparet moveri velociter et nubes rarescere tunc est signum futuri venti ab illa parte a qua incipit materia moveri propter materiam [illegible]. Ille vapor inclusus est exhalatio calida et sicca quae est materia venti quae [illegible] participationis. Tunc intelligitur quod consumitur vapor in vapore consumpta per exhalationem fit ventus. Secunda conclusio halo efficitur etiam per reflexionem luminis astri mediantibus super talem vaporem ad visum nostrum propter quod ubi in materia sit vapor et aer [illegible] ad reflexionem et aer claritas ipsius halonis et quod non apparet nisi halo consideratur efficitur per refractionem vel reflexionem luminis astri mediantibus super talem vaporem ad visum nostrum. Tertia conclusio sit prima quod halo ut in pluribus apparet albus

propter vapor qui est tenuis ut in pluribus propter ergo quod ut in pluribus videmus stellas. Responditur: Secunda quod halo quandoque apparet coloratus coloribus similibus coloribus ipsius iridis propter quod talis nubes vel vapor est aquaeus magis inspissatus et quandoque declinat ad colorem puniceum vel ad colorem [illegible] vel adaequat talem. Tertia quod halo apparet quandoque nigrum album et aliquando magis album propter ergo quod aliquando vapor est magis vel minus spissus vel tenuis densus vel rarus. Advertendum pro illis adiuvante sequitur quod [illegible] ac [illegible] quia et quod dicitur vapor est grossior et minor ac dico quod non quia actus [illegible] caloris et incorporatio [illegible] ipsius et ad dicendum vapor [illegible] grossior ac [illegible] et quod inferius [illegible] minor ac niger quam [illegible] glacies est grossior et densior aqua [illegible] minor [illegible] [illegible] Advertendum quod dicitur secundum quod astra [illegible] quia [illegible] non est quia talis vapor adhuc est tenuis non est ita [illegible] quod faciat [illegible] visum repente apparere rubeum vel puniceum. Advertendum secundum quod tunc nebulosus et non quia [illegible] quod [illegible] vaporis inter nos et astrum causatur halo et quod vapor non fit in [illegible] tempore [illegible] quare est tunc nebulosus et ideo tunc nebulosus non apparet halo. Advertendum dico

quod yems [illegible] sunt pura specula quia vapor est [illegible] non fit refractio nubes et [illegible] in aqua [illegible] est [illegible] [illegible] dispersa sunt guttulae minutissimae. Advertendum [illegible] quod tempore apparitionis halonis astrum apparet albi [illegible] sereno tempore [illegible] non fit [illegible] [illegible] reflexio vel [illegible] quod non [illegible] [illegible] apparet albi [illegible] sereno tempore. Advertendum propter [illegible] Utrum halo fiat per reflexionem vel per refractionem radiorum visualium super

vaporem medium inter astrum sub quo halo apparet et visum nostrum. Et arguitur primo quod fiat per refractionem. Primo auctoritate secundo ratione. Auctoritate sic: nam Aristoteles [illegible] loquens de halone [illegible] [illegible] [illegible] horum enim [illegible] fit halo sic dicit: refractio visus a [illegible] ac et vapore in nube [illegible] dicitur refraga [illegible] [illegible] [illegible] ad solem et lunam [illegible] [illegible] [illegible] [illegible] [illegible] refractio circa [illegible] [illegible] a [illegible] parte [illegible] auctoribus [illegible] [illegible] [illegible] pluribus aliis [illegible] [illegible] tamen [illegible] quod halo fiat refractio radiorum visualium [illegible] reflexio quia radius refractus radius ad [illegible] non [illegible] [illegible] [illegible] [illegible] radius [illegible] [illegible] diaphanitas diaphaneitas [illegible] [illegible] [illegible] [illegible] [illegible] ad [illegible] vapor in [illegible] [illegible] astrum sit altius diaphaneitas grossior et densior ac [illegible] [illegible] astri [illegible] super [illegible] vaporem [illegible] [illegible] refractio [illegible] [illegible] [illegible] quod halo fiat refractio [illegible] reflexio [illegible] [illegible] [illegible] [illegible] super vapor [illegible] ad visum nostrum [illegible] [illegible] reflectatur [illegible] [illegible] quod illo modo quod halo non fiat reflexio luminis super vaporem [illegible] magis [illegible] [illegible] [illegible] est Aristoteles dicit enim [illegible] vapor in [illegible] [illegible] specula [illegible] [illegible] reflectatur [illegible] dicit Aristoteles quod halo et iris sunt [illegible] [illegible] [illegible] iris sit reflexio [illegible] halo [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] halos [illegible] [illegible] accidunt circa halos.

Advertendum [illegible] quod reflexio quando radius incidens non est [illegible] [illegible] [illegible] [illegible] ad angulum obtusum [illegible] reflexio [illegible] acutum tunc si radius [illegible] venit ad oculum tunc [illegible]

oculum est ad cuius partem adhuc est corpus aquosum incidunt radii. Verbi gratia
ut si speculum esset a b in quo reflexio sit ad angulum acutum sit
si speculum esset a b et visus esset f et oculus esset g. Cum autem
reflexio sit ad angulum obtusum tunc corpus reflectens est aquarum
inter visum et corpus luminosum aquosum recipit radios. Verbi gratia si spe-
culum esset a b et corpus luminosum esset c et oculus esset e tunc sit.
Prima causa quare halo non fit per refractionem, ut quidam dicunt, quia sicut arguit
Albertus illius circuli quem vocamus halonem non est lumine [illegible]
[illegible] vel nos videmus simul plurima vitrea et plurima refracta
sit per de tenuitatem et spissitudinem aquae, sed in apparitione halonis videmus
astrum plurima vitrea in medio ipsius halonis et tamen non videmus
plura refracta in consequentia [illegible] [illegible] ergo videmus
astrum in apparitione halonis non venit ad nos per refractionem, ut quidam
dicunt, sed magis per reflexionem. Secunda causa [illegible] quod appareat
plura fracta appareat [illegible] appareat unum quando
videmus plura non refracta sit per de tenuitatem et spissitudinem aquae
et de sole quod est in oriente [illegible] vapor est in proportione inter nos
et ipsum sed in apparitione halonis [illegible] astrum non apparet
astro [illegible] ut [illegible] astrum appareat [illegible] et in consequentia illius
corone sicut dictum est et halo non videtur per refractionem ut quidam dicunt
non sit tunc corona et astrum debent apparere quia [illegible] radii
fractionem [illegible] in uno puncto nisi tunc [illegible] sit [illegible]
[illegible] vapor in proportione inter nos et astrum radii [illegible]
non [illegible] in uno puncto cum talis vapor non sit [illegible]
[illegible] sed sit [illegible] et [illegible] talis radii
refracti non [illegible] in oculo et [illegible] non apparet halo. Tertio
ad idem [illegible] sit [illegible] circa super puncto [illegible]
vel ad [illegible] sit [illegible] non [illegible] sic est [illegible]
radium fractum [illegible] cum [illegible] sit per [illegible]
[illegible] ad apparitionem halonis [illegible] quod radii oblique
incidentes super vaporem [illegible] in oculo [illegible] ab astro
ad oculum sit per [illegible] halonis [illegible] radii non veniunt ad oculum
per refractionem ut quidam dicunt sed per reflexionem. Quarto non aliquid apparet
halo [illegible] pellucidi non clarum est quod talis ha-
lo non apparet per refractionem radiorum sed per reflexionem super [illegible]
[illegible] talis pellucidi. Secunda causa quare halo fit per reflexionem
est quia sit vel per refractionem vel
reflexionem sed non per refractionem [illegible]

[illegible] sit [illegible] quod [illegible] per reflexionem [illegible]
[illegible] Tertia causa quare halo non fit per reflexionem quae est ad angulum acu-
tum [illegible] sit tunc [illegible] corpus reflectens sit vapor non esset in proportione
visui et astro [illegible] dicta [illegible] quare [illegible] quod sit [illegible]
[illegible] sit reflexio ad angulum acutum [illegible] oculum est ad cuius partem est ad
corpus aquosum incidunt radii. Certa causa quare halo sit per reflexionem
quae est ad angulum obtusum [illegible] quod halo sit per reflexionem [illegible]
sed non per reflexionem quae est ad angulum acutum sit [illegible]
reflexionem quae est ad angulum obtusum sit [illegible] quod [illegible]
[illegible] reflexio quae sit radio non incidente [illegible] sit ad angulum
acutum vel ad angulum obtusum. Quinta causa [illegible] et aliorum
halo sit per refractionem [illegible] quod sit per refractionem ad an-
gulum obtusum [illegible] talis [illegible] reflexio [illegible] aquae [illegible]
[illegible] quae est ad angulum obtusum sit [illegible]
[illegible] et ad [illegible] nos et astrum in proportione vapor vel nubes
[illegible] guttulas et minutas partes quas [illegible]
[illegible] speculum [illegible] astri incidunt super [illegible]
reflexio ad angulum obtusum sit quod radii reflexi sit [illegible] oculo
ad radio [illegible] videre ab astro ad oculum et ad [illegible]
astri videre [illegible] tunc apparet halo. Quinto ad [illegible]
[illegible] halonis [illegible]
[illegible] quod halo [illegible] apparet [illegible]
[illegible] vel [illegible] circuli per [illegible] vapor in proportione
visum et astrum tunc super [illegible] vaporis aequaliter distantia
ab astro et [illegible] ab astro [illegible] [illegible]
sit reflexio ad aequales angulos [illegible] radii reflexi
super ipsis [illegible] in eodem puncto [illegible] est oculo
[illegible] illi radii reflexi super ipsis [illegible] ad oculum
[illegible] halo sit et apparet [illegible] reflexio ibi
[illegible] reflexio [illegible] apparet [illegible] circulus quia [illegible]
ab astro ad oculum [illegible] ad eundem punctum [illegible]
[illegible] distantia [illegible] puncta [illegible]
[illegible] et semidiametri circuli [illegible] sit puncta [illegible]
[illegible] circularis [illegible] aequaliter distantia ab [illegible]
[illegible] ipsius halonis [illegible] potest [illegible]
[illegible] et [illegible] meteorologicorum [illegible] sua
[illegible] circa [illegible] [illegible]

quod super puncta in circulo d. f. scientia appareret et astro sit reflexio
ad angulos aequales et sic si radii reflexi super c d. debent venire
ad oculum contingit aliter patet undique sit sit astrum b et visus a et sit
c unus punctus in vapore super quem sit reflexio usque oculum et
sit unus punctus d. in speculo proximus ab astro ad visum et protrahatur
linea b c d quo facto erit triangulus b c d et imaginetur circumvolvi
et triangulus circa b d et punctus d describet unam circumferentiam cuius
centrum erit b et quia in illo vapore pro omni sunt puncta et in illa
circumferentia super quibus punctis sit reflexio recte sicut super c et d
b centrum inter nos et astrum sit super orizonte sicut halo apparet
debet fieri circuli perfectam vel fieri partem circuli si sit de
sub in una parte ipsius vaporis seu halonis Nono quod ista
lo dicitur abinde. hoc quod centrum ipsius halonis est super orizonte
centrum at quidem non halo dicitur abinde hoc quod angulus acutus
reflexionis in ipsa unde est acutus angulus at acutus in ipso halone
est obtusus Decimo dicitur abinde hoc quod angulus acutus halonis
plurima reflexionis et linea proxima ab astro ad oculum apparere
unde ipsius halonis est acutus unde at non Tertio ad
tertium dico quod propter halo appa
ret circa lunam quam circa solem Secundo
dico quod aliquando apparet circa candelam Tertio dico quod hoc magis
fit in hieme et serenis austro flante Quarto dico quod halo apparet
circa lunam quam circa solem Quinto dico quod aliquando apparet diversis
coloribus Sexto dico quod in medio est clarior Haec patent et secundum
sunt dicta in quibus patuit Contra tertium est quod in hieme et serenis
flante aere est spissior et magis propinquus vaporibus et tamen inter
nos et candelam interponitur vapor super quo reflecti lucem et sole
apparet halo Contra quintum est quod vapor qui interponitur visui et soli
circa aliquid quod vapor interpositus propinquis et luce et per consequens halo
ipsius solis est immoderatus et halo ipsius lune est propinquior sed unde
est quod halo lune apparet circa quam solis Contra quintum est diversitas
radiis et desiccatur superficies circa et sed ipsius vaporis Contra
sextum est quod in medio radii qui reflectuntur sunt magis propinqui medio
et per consequens erunt magis lucidi quam sunt fortiores Quod quidem apparet
propinquior centro ad speculum Si halo in communi sua
apparet clarior hoc est propter materia propinqua valde magis albis
cum materia posita nigro apparet albus quam si non materia ponitur
sibi eo quod omnia quae sunt posita magis clarescunt unde et eum

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non intrat terra ubi decem pedibus et ideo sic in specie fodientium invenitur aqua
quod non potest dici quod omnis aqua quae est intra venit ex pluvia Tertio sic quia
pluit modicam de aqua pluviali imbibitur et absorbetur a terra quae terra est
sicut adfluvium et extra flumen augentur ergo non potest dici quod ipso
ex aqua pluviali et aqua quae extra terra provocat Quarto sic hoc magis
apparet in montibus concavis provenit fontes et flumina videamus
pluit quod tota aqua cadit super montes descendit de superficie
montium ergo sicut quod sit aqua petit loca declivia et quia in abs
montibus de ea aqua et non potest dici quod ex aqua pluviali fiant fontes
quod fontes et flumina fluunt de partibus montium unde est quod ibi
aqua pluvialis fiat ad hoc quod fontes et flumina augentur sed magis
sufficit ad generationem fontium et fluviorum nisi tunc
aqua de novo generaretur intra Quinta causa est ipso quod fontes ve
commune est motum continuum Secunda est ad quod ad totum et tanti fluminum
fluunt ad modicum in mense est valde magnum nisi continuo generaretur pro
fontes et flumina modum aut semper continuo provenit
fontes et flumina esse causae quae dependet quod terra est sicca ipsa mani
sunt una spongia et terra demum imbibit aquam propter mare et
propter calorem solis elevantur vapores intra terram aqua imbibita
et ad illi vapores inveniunt porositates terrae frigidas concava fit et condensatur
et generantur aqua et fiunt guttae aquarum et cetera et ideo multa congregantur
fiunt ibi continue terra et fiunt fontes et flumina et cetera
ad id aliqui vapores sunt qui in aqua continue per calorem
et vapores elevantur et aliquando vapor posterior aquam generatam
expellet et aqua extra ascendit propter ebullitionis Con
operatio autem primo quod est scientia quae dicit quod ultra profunditatem
altitudinis habet invenitur terra solida sed aqua
non est unum continuum aqua imbibetur a terra et elevatur
ubi generantur fontes et flumina Secundo sic si opinio esset
vera tunc in magis montibus multa debent esse plures fontes
quam invenerunt motibus planicierum modo hoc est contra
quia patet quod in concavis illis montibus essent magis
debent esse de aqua imbibita modo et elevata
solis generatione fontium et fluviorum Tertio sic si va
habent proprie expellendi aquam ascendere a terra propter ebulli
quod est habent proprie impediendi ingressum aque sic hoc
Pluries patet veritas opinionis dictae quam dimitto propter bonitatem
auctoris non tenendas opiniones veritatis sunt predictae
Quinto ad eundem articulum sit prima quod aqua
generatur intra patet quod intra terram generatur aqua
et aqua fluit aqua sed non generatur continue pluviali vel continuo
calore et Nec potest dici nisi non nisi provenit aque
quae si dicatur fiat imbibita ergo dicam quod aqua generatur

intra [illegible] terra [illegible] iniquota patet [illegible]
sunt fossores intra inveniunt [illegible] terra [illegible]
si terra tota [illegible] esset [illegible] iniquota [illegible] terra [illegible]
superficie est posita patet [illegible] pluit [illegible] pluvia imbibitur [illegible]
[illegible] aera quod non esset nisi terra esset posita [illegible]
alicubi intra inveniunt [illegible]
[illegible] absorbet [illegible] et ville [illegible]
fossores fodientes [illegible] terra [illegible] magnas [illegible]
[illegible] sunt signa quod terra sit posita [illegible]
[illegible] sunt aqua corporea [illegible] sunt terra [illegible] aer vel vapor [illegible]
[illegible] vacuum [illegible]
[illegible] aque [illegible] aer vel vapor
[illegible]
[illegible] aquam [illegible] petere [illegible]
loca declivia descendit et illi vapores [illegible]
[illegible] sunt fluvii [illegible] aque sunt [illegible]
[illegible] aque [illegible]
[illegible] imaginandum de illo sicut [illegible]
[illegible] vapores ascendunt ad caput [illegible]
[illegible] rheumata [illegible]
[illegible] concavitate [illegible] [illegible]
[illegible] multe aque [illegible]
[illegible]
[illegible] inveniunt loca declivia [illegible]
[illegible] aera et aqua [illegible] manent [illegible]
[illegible] fossores [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] aqua [illegible]
[illegible]
[illegible] aqua [illegible]
[illegible]
[illegible]
[illegible] aqua [illegible]
[illegible] aqua [illegible] fluvii in

[illegible] mare [illegible] fluvii [illegible] mare [illegible]
[illegible] calore solis [illegible] elevatur et consumitur de mari seu
seu de fluviis [illegible] mare [illegible] augeri posset [illegible] fluviis [illegible]
[illegible] mare [illegible] statu [illegible]
fluvii [illegible] aqua
[illegible] aqua
[illegible] calor solis [illegible]
[illegible] elevatur [illegible]
[illegible] aqua desuper
intrat aer [illegible]
[illegible] mare sit [illegible]
[illegible]
sit [illegible]

[illegible] mare [illegible]
[illegible] mare [illegible]
[illegible]
[illegible] calor [illegible] elevatur [illegible]
[illegible]
violentum [illegible] loco [illegible]
loco [illegible] violentum sit [illegible]
medio [illegible] loco [illegible] medio mundi [illegible]
[illegible] mundi [illegible] corpora celestia [illegible]
[illegible] mare [illegible] mundi [illegible] mare
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

[illegible]

[illegible]

admac sicut prius [illegible] solide secundum [illegible] et sunt motus. Et [illegible]
ascendit est quod debet in die augeri motus [illegible]. Sic ergo videtur quod [illegible]
detecta maris cooperta et deloca naturali [illegible]. Et [illegible]
esse movendo. Utrum ad terram celi defluxus fluviorum et aquarum
quare fluvii plures fluunt a septentrione
quam versus austrum quia ego [illegible]
versus septentrionem est magnum frigus et locus aptus [illegible]
aquarum magis quam versus austrum quia ibi est magnus calor ideo non
est locus aptus generationi aquarum. Et ideo quia versus septentrionem est
abundantia aquarum et non tanta versus austrum [illegible] quod fluvii
plures fluunt a septentrione versus austrum quam econverso et ita motus
modicus apparet in fluviis magne latitudinis et plus apparet
in fluviis magis strictis ubi fluunt [illegible] secundum [illegible]
loci [illegible] est quod in [illegible] loci [illegible] fluunt ergo [illegible] quod fluvii
fluunt ab austro versus septentrionem sicut in ubi est magnus calor
sicut [illegible] sol et [illegible] et bullit et in [illegible]
fit et [illegible] quod fluunt ab austro versus septentrionem. Utrum autem
[illegible] defluxum maris dicit quod videtur [illegible] loci
[illegible] fluendo moveri sursum. Et [illegible] solutio
Utrum mare debeat fluere et re-
fluere. Et arguitur quod non quia non [illegible]
[illegible] maiore [illegible] ordinate [illegible] violente et non
videtur quod hoc fiat violente [illegible] quod non [illegible]
naturale est detractum ad alium oppositorum non potest in ambo opposita
ut dicit [illegible] secundum mare fluendo et refluendo movetur motibus
oppositis ergo non videtur quod hoc fiat naturaliter. Si ergo mare non fluit et refluit
violenter nec naturaliter videtur quod mare debeat fluere et refluere. [illegible]
naturalis maris est ascendere secundum mare non potest fluere et refluere [illegible]
ad eum effluit ascendit et ad refluit descendit. [illegible]
[illegible] ad est loco sibi naturali [illegible] quiescere in eo secundum ita est quod [illegible]
que occupat mare est sibi naturalis sit in [illegible] quare ergo
in eo loco debet mare quiescere et non sic moveri fluendo et refluendo [illegible]
si mare [illegible] naturaliter fluere et refluere [illegible] quod fluxus et refluxus magis
[illegible] magnum [illegible] quam [illegible] quia [illegible]
[illegible] secundum [illegible] est [illegible]. Oppositum [illegible]
mare [illegible] videtur fluere et refluere [illegible] et refluxum maris
intelligitur accessus et recessus [illegible] de quo primo videndum est [illegible]
ponende sunt quedam dubitationes [illegible] est [illegible]
[illegible] fluxum et refluxum maris [illegible] solutionem
dubitationum. Utrum ad [illegible] est quod quidam antiqui [illegible]
bantur quod motus diurnus [illegible]
in motu maris. Et [illegible]

quod sicut motu diurno movetur [illegible] et aer usque [illegible]
[illegible] motum [illegible] illo motu. Sic et [illegible] de
motu ipsius maris [illegible] assequi in motu
[illegible] diurnum [illegible] quod [illegible] non potest [illegible]
[illegible] terra [illegible] quod non potest [illegible] ascendere [illegible]
[illegible] est [illegible] maris discooperta et [illegible] in est mota per eius effluxum
quod non potest [illegible] ascendere [illegible] redit ad suum locum naturalem et ita
[illegible] fluxum et refluxum maris assignat motum diurnum. Sed illud
non valet quia fluxum et refluxum maris non regulatur [illegible] succedendo sibi
[illegible] motus diurnus ita quod sicut [illegible] semper in
die naturali [illegible] motu [illegible] sicut [illegible] dicetur ergo causa
fluxus et refluxus maris non debet assignari motus diurnus secundum magis
motus lune [illegible] ergo [illegible] primo videndum est quod intelligitur per
[illegible] meridianum. Et [illegible] ponende sunt [illegible] suppositiones [illegible]
primo dico quod [illegible] meridianum [illegible] circulus qui dividit [illegible]
et [illegible] cum [illegible] rectos [illegible] abiacente [illegible]
[illegible] quod meridianus [illegible] sol [illegible] eius puncto
est meridies [illegible] super quorum [illegible] est sol tunc [illegible] suppositio
[illegible] dominatur super humiditates aquosas [illegible] et [illegible]
[illegible] intumescere [illegible] que [illegible] quorum [illegible]
[illegible] sicut sunt [illegible] et [illegible]
[illegible] lune [illegible] et diminutione [illegible] lune diminuitur [illegible]
[illegible] pluribus [illegible] calo [illegible] libri
[illegible] suppositio quod [illegible] fortius agit [illegible]
[illegible] meridianum et [illegible] puncto [illegible] quo est sol [illegible] est meridies [illegible]
[illegible] et [illegible] Et [illegible] quod tunc magis directe respiciat
[illegible] fortius agit [illegible]
[illegible] suppositio est quod [illegible] fortius
agit [illegible] puncto opposito [illegible] quod tunc [illegible]
[illegible] sibi oppositum [illegible] sunt [illegible]
[illegible] suppositionibus [illegible] sit [illegible] motus
[illegible] fluxus et refluxus [illegible] lune [illegible]
[illegible] lune [illegible] intumescendo et [illegible] sic intumescat
[illegible] lune [illegible] fit effluxus maris secundum [illegible]
[illegible] que [illegible] dominatur super humiditates aquosas [illegible]
[illegible] maris aliquid [illegible] et [illegible]
[illegible] effluxus [illegible] ad locum maris [illegible]
[illegible] descendit [illegible] et directo aspectu [illegible]
[illegible] sibi oppositas super [illegible] in [illegible]
[illegible] aquarum [illegible] super mare [illegible]
[illegible] suppositio [illegible] mare [illegible] incipit intumescere ut [illegible]

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[illegible]

[illegible]

ipsa vero possunt movere aliam ad ipsam respectu lune non tamen sunt tante vir-
tutis quod possunt movere aliam quia non est plena et tota maria non fluunt
nec refluunt quamvis dicat naturaliter sed solum in mense semel ita quod in crescendo lune
effluunt et in eius decrescendo influunt et in oppositione lune effluxus
est maior. Alia autem sunt maria tante subtilitatis quod possunt moveri
ad aliud in eius coniunctione cum sole et similiter in quadratis et
in plenilunio et tota effluunt et refluunt semel in quarta die naturali [illegible]
in effectu. Solucio prime dubitationis. Secunda dubitatio est [illegible] quod
luna non debet dici secunda causa constans nisi secundum communicationem [illegible]
Sed aliter est dicendum quod luna non movet aquas secundum eius frigi-
ditatem vel caliditatem sed secundum unam specialem qualitatem [illegible] hec est una in-
fluentia [illegible] hec ergo iam dicta sunt [illegible] confortatio cor-
poris [illegible] inferiorum [illegible] fluxus et refluxus quod cum diffe-
rentia aque ipsius maris. [illegible] ergo [illegible] dicto scilicet quod tenet se [illegible]
[illegible] ipsius maris. [illegible] secundum est quod mare sit [illegible] tanta distan-
cia oculis lune quod radii ipsius lune ita oblique cadunt super ipsum
quod non sunt [illegible] movendi ipsum notabiliter et tale mare forte est
situatum ultra norwegiam. Quinto autem advertendum [illegible]
ipsorum inferiorum quod cum ventus super veniat [illegible] et si ventus flat
fortiter ad effluxum maris tunc est effluxum maris ipsius [illegible]
Si vero flat ad refluxum [illegible] effluxum tunc [illegible] effluxum [illegible]
[illegible] et refluxum [illegible] motus eius venti magni [illegible]
fortiter [illegible] impediret motum ipsius maris Et tunc dicitur [illegible]
solucionem [illegible] facere patet [illegible] [illegible] que dicta sunt
in [illegible] et in aliis [illegible] dicitur [illegible]. Utrum aqua maris debeat
esse salsa Et arguitur quod non quia

[illegible] maxime in loco suo naturali [illegible] [illegible] elementum debet esse
aquam ergo [illegible] sic non alie [illegible] sicut aque pluviales non sunt
salse ergo [illegible] videtur quod [illegible] aqua maris debet esse salsa. Secundo [illegible]
[illegible] aqua maris fuisset salsa adhuc [illegible] deberet fieri potabilis et non
salsa [illegible] aquarum dulcium. Tertio sic aqua maris est [illegible]
aliarum aquarum [illegible] autem debet esse simplicius [illegible] ad [illegible] aqua salsa
sit minus simplex quam aqua non salsa ergo videtur quod aqua maris non debeat
esse salsa. Quarto sic [illegible] maxime [illegible] [illegible] [illegible] terrestris
ad [illegible] non gradatur [illegible] [illegible] [illegible]
[illegible] sic [illegible] sic arguitur ad [illegible] ut dicit aristoteles
[illegible] non [illegible] sit tunc media [illegible] distantia [illegible] deberent esse magis
salsa et per quod mare [illegible] non est salsa. Oppositum patet ad sensum
quod mare sit salsum quod non est dubium. [illegible] ipsum sit salsum [illegible] de
causa ipsius salsedinis est dubitacio Et [illegible] dulce [illegible]
veritate [illegible] sunt in [illegible] dimittendo [illegible] est primo

[illegible] quod sit causa salsedinis maris tunc [illegible] que est effectiva. Secundo videndum
est quare et quando [illegible] inveniuntur in mari. Tertio videndum est quare aque
pluviales non sunt salse. Quinto advertendum sit [illegible] salsedo causatur [illegible]
[illegible] terrestri ad humido [illegible] [illegible]
[illegible] [illegible] est una ad aquam colatam
[illegible] sit salsa et mutat colorem et sit grossior et gravior quod non
est nisi [illegible] aque partes subtiles [illegible] [illegible] ergo
aqua colata est [illegible] et est salsa [illegible] salsedo causatur
[illegible] terrestris ad [illegible] patet de urina [illegible] quam
dulce attractum est a membris et residuum quod est [illegible] terrestre
[illegible] ad humido est salsum ac si salsedo causatur [illegible]
[illegible] terrestris. Secundo patet sit de sudore. Sudor enim est
salsus [illegible] ad eum [illegible] partium sibi admixtarum [illegible] terrestre est
enim sudor ablucio carnium. Tertio [illegible] aqua salsa est grossior
[illegible] est quod omne [illegible] supernatat in aqua salsa quod non super-
natat in aqua non salsa ergo aqua salsa est grossior [illegible] est quod est
magis terrestri. Quarto patet [illegible] stagno de quo dicit aristoteles
[illegible] quod si in ipsum [illegible] quod est ligatum manibus et pe-
dibus ipsum supernatat quod non est nisi [illegible] terrestreitate
[illegible] sic [illegible] aqua [illegible] salsior est magis [illegible] et [illegible]
[illegible] est magis terrestri [illegible] aqua est magis [illegible] aqua dulcis
[illegible] et [illegible] ergo patet quod in salsis aquis plus est terrestreitate
[illegible] salsedinis sic quod [illegible] terrestreitatis ad humido
[illegible] salsedo. [illegible] multe sunt aque turbide [illegible] est [illegible]
terrestre [illegible] non sunt salse ergo videtur quod [illegible] terrestre non sit
[illegible] salsedinis ipsius maris. Solucio dubitationis sit [illegible] ergo
[illegible] [illegible] calidi evaporationis et [illegible] [illegible] quia
[illegible] [illegible] [illegible] [illegible] [illegible] si aqua
[illegible] non fieret ita salsa [illegible] si esset calida quod non
esset adustio terrestris [illegible] patet de urina [illegible] calor naturalis
[illegible] dulce [illegible] [illegible] residuum terrestre [illegible] salsedo
[illegible] aristoteles [illegible] calamum [illegible] sit sal
[illegible] nisi [illegible] [illegible] quod causa salsedinis [illegible] adustio et
[illegible] [illegible] salsi [illegible] aqua sit sal [illegible]
[illegible] coquendo et adurendo. Tertio patet [illegible] [illegible]
[illegible] sunt magis salse [illegible] [illegible] [illegible] patet [illegible]
[illegible] [illegible] quod [illegible] adustio et evaporatio [illegible] adustione
[illegible] [illegible] [illegible] [illegible] [illegible] et [illegible] putrefactio [illegible]
[illegible] putrefacti [illegible] ergo [illegible] [illegible] [illegible]
[illegible] salsedinis [illegible] [illegible] [illegible] putrefactio sic [illegible]
salsedinis maris [illegible] [illegible] [illegible] effective [illegible]

Circa solucionem dubitacionis patet quia quamvis sint aque temperate inmixte ad
siccum terrestre tamen quia non est facta adustio illius sicci terrestris a causa
predicta dulces ergo sunt aque non fit salsa. Notandum et ideo ad hoc
est requisita debita commixtio et longa adustio sicci terrestris. Ergo
si permixtum fuerit ad aquam et per eam bulliatur fortiter tamen aqua
non fiet salsa nisi post longum tempus quia ibi non est debita commixtio
et ita etc. Circa dictum ad argumentum est quod sit prima conclusio quod aqua maris est
inmixta sicco terrestri patet quia mare est magis
subtile et grossum quam alie aque. Ergo est
[illegible]

Et sicut terrestre comprehenditur propterea mare sit ex salsedo propterea mare
est [illegible] quod est sequitur quod mare cetera est salsum magis nisi est commixtio
fluviorum dulcium fluencium ad ipsum ita quod una causa est contra aliam [illegible]
dulcis et adustio sicci terrestris que est causa salsedinis et e contra fluviorum fluencium
dulcium fluencium in ipsum mare que est causa dulcedinis [illegible] equalitas
salsedinis. Et forte sic est quod istud stagnum [illegible] quod circa
salsum quod non [illegible] salsedine [illegible]
nisi magis est salsum [illegible] quia ut fluunt fluvii dulces in
ipsum et [illegible] dulce et siccum terrestre adurat. Circa dictum ad argumentum
secundum quod aque pluviales non sunt salse
[illegible]

[illegible]

quedam sunt aque que in earum origine sunt calide et remote ab earum ori-
gine sunt tepide et tunc calide et talis est una aqua in aquis [illegible]
Et dicit etiam quod sit una aqua in ytalia multum calida et fluens et [illegible]
circa lapides adustos Et dicit quod vetus dixit [illegible] olimpi
in quo est [illegible] et vocatur aqua et voltanus Causa autem aliquando
scilicet quare aque alique sic sunt calide in earum origine [illegible] valde
[illegible] [illegible] quod in terra ubi fluunt tales aque inclusi sunt quidam venti qui
non possunt [illegible] [illegible] qui [illegible] in igne et calefaciunt [illegible]
aquas [illegible] autem [illegible] dicit scilicet quod tales aque fluunt per venas terre
in quibus est calx viva [illegible] ad talis post adaquata frigida [illegible]
calefacit sicut [illegible] scilicet [illegible] non [illegible] quod calx viva non potest cale-
facere aquam frigidam nisi ad fuit adusta [illegible] autem [illegible] est ita quod locus
[illegible] et [illegible] [illegible] fuissent tales aque sunt sulfurea et valde
calida Et [illegible] est quod aque sunt calide quod [illegible] quod tales aque sentiunt
odorem sulfuris et sanant [illegible] infirmitates [illegible] balneandi [illegible]
[illegible] sunt enim multum penetrative et [illegible] [illegible] sulfur
quia [illegible] alias [illegible] [illegible] et [illegible] [illegible] fuissent
Et [illegible] quod albertus dicit autem seneca quod in libia est quidam fons qui in
meridie est frigidissimus et est ita frigidus quod [illegible] eius frigiditatem
potabilis et in ortu et occasu solis est tepidus Et forte causa huius est
[illegible] situatio eius ad solem [illegible] [illegible] quod alique aque dicuntur [illegible]
et densitatem [illegible] et levitatem Unde dicit seneca quod est quidam [illegible]
in quo natant lapides et omnia supernatantia non descendunt Et
est quidam [illegible] in quo super natat una [illegible] Et [illegible] [illegible] [illegible] [illegible]
[illegible] Unde [illegible] [illegible] [illegible] [illegible] est [illegible] [illegible]
[illegible] aqua est ita [illegible] et [illegible] quod sunt supernatantia [illegible]

Unde ad [illegible] scilicet quod aque dicuntur in qua-
litatibus [illegible] que sunt color sapor
et odor [illegible] est quod aque dicuntur in colore aque enim sunt albe quedam

[illegible] [illegible]

[illegible] et [illegible] nigre Et dicit seneca [illegible] colores aque recipiunt [illegible]
[illegible] autem [illegible] [illegible] salse [illegible] dulces et [illegible] [illegible]
saporis [illegible] [illegible] salsis [illegible] [illegible] aque abaque [illegible] est [illegible] [illegible]
terrestre sicut [illegible] est aqua maris Causa autem [illegible] non est [illegible] [illegible]
[illegible] [illegible] [illegible] maris est calor solis Causa autem [illegible]
[illegible] est quod tales aque colantur per terram [illegible] saporis salsi et [illegible]
ad [illegible] [illegible] ad [illegible] [illegible] ad sulfure Et inde est quod tales aque sunt [illegible]
[illegible] [illegible] quod dicit seneca quod est quidam fons qui [illegible] saporem vini Et quidam
qui [illegible] saporem aceti Et dicit tales diversos sapores [illegible] aque [illegible]
[illegible] [illegible] [illegible] alios [illegible] [illegible] [illegible] [illegible] alios [illegible] [illegible]
[illegible] [illegible] [illegible] et [illegible] [illegible] [illegible] ad [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] et [illegible] [illegible] [illegible]

Unde ad [illegible] [illegible] est [illegible] dicit seneca quod
[illegible] sunt [illegible] et [illegible] Et si [illegible]
[illegible] bibat de ea aqua non [illegible] quid ipse moriatur [illegible] dicit [illegible]
[illegible] fonte que omnia [illegible] et [illegible] fontes aque mirabiliter
[illegible] [illegible] Et [illegible] dicit quod est unum stagnum [illegible] [illegible] homines
[illegible] [illegible] [illegible] [illegible] dicit quod est quidam fons cuius aqua [illegible] [illegible]
in [illegible] [illegible] de lapidibus et [illegible] [illegible] valde [illegible] lapidea [illegible]
quod est alter fons si quis biberit de eo statim incipit [illegible] Et
est etiam aqua fontis si quis biberit de eo inebriatur et incipit [illegible] [illegible]
Et dicit seneca quod tales aque [illegible] tales [illegible] [illegible] et
[illegible] [illegible] [illegible] fuissent [illegible] [illegible] est quod ipse albertus [illegible] [illegible]
[illegible] [illegible] [illegible] dicit quod sit unus fons de quo fonte si
[illegible] nigre bibunt fiunt albe et albe nigre Et alter [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] est quidam fons si quis de isto potaverit valde
[illegible] [illegible] Et est alter si quis de eo potaverit valde omnes [illegible]
[illegible] est aqua qui tollit [illegible] [illegible] et [illegible] [illegible]
[illegible] est aqua fontis si fur vel latro de eo potat statim manifestabit
[illegible] [illegible] dicit ysidorus quod est quidam fons [illegible] [illegible] [illegible]
Et est aqua qui movet ad libidinem [illegible] est aqua qui [illegible] oculis [illegible]
[illegible] et latrones [illegible] [illegible] latro [illegible] [illegible] oculus [illegible]
[illegible] et multi sunt qui sanant [illegible] [illegible] et alii in
[illegible] capillis Et [illegible] alie sunt fontes qui electro vel auro [illegible] [illegible]
[illegible] lapides et herbe [illegible] [illegible] et [illegible] [illegible] [illegible] [illegible]
aqua [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] libri [illegible]

Queritur primo
[illegible] [illegible] calida et sicca Et arguitur primo [illegible] [illegible] sit
[illegible] calida [illegible] [illegible] [illegible] quod [illegible] [illegible] [illegible] [illegible] debent
[illegible] venti et [illegible] calida [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] nos [illegible] [illegible] [illegible] [illegible] [illegible] qui volumus quod [illegible]
[illegible] [illegible] [illegible] calida [illegible] [illegible] [illegible] [illegible]
[illegible] calidi [illegible] [illegible] [illegible] [illegible] calidi [illegible] [illegible]
[illegible] est [illegible] calida [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] sicut [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] sicut in estate [illegible] [illegible] sicca [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] sit [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] sunt calidi [illegible] [illegible] [illegible] calid[illegible] Et
[illegible] calida et sicca [illegible] [illegible] [illegible] [illegible] non sit [illegible]
[illegible] [illegible] [illegible] venti [illegible] [illegible]

2o venti [illegible] [illegible] et sursum a quo leviter [illegible] est motus sursum
non alia ordine oppinionum motus eius ventorum est lateralis [illegible]
sit ventus non est aliud quam aer motus qui est calidus et humidus et non
calidus et siccus quia tamen omnis non [illegible] venti est aer motus et quia
[illegible] eadem [illegible] et [illegible] ad omnes venti sunt eiusdem [illegible] quia ventus
qui [illegible] per folles vel [illegible] non est aliud quam aer motus [illegible]
sit [illegible] [illegible] sua [illegible] motum lateralem et [illegible] [illegible] [illegible]
[illegible] ergo [illegible] videtur quod [illegible] aer aliquo motu movetur et aer per motum
videtur [illegible] ventus [illegible] est aer qui est [illegible] [illegible] [illegible] [illegible]
[illegible] ad [illegible] lateralem motum [illegible] et [illegible] [illegible]
et [illegible] motum [illegible] [illegible] [illegible] ventus [illegible] motum est [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] est [illegible] [illegible]
[illegible] venti [illegible] quod sit ventus [illegible] videtur est [illegible] motum [illegible] venti
[illegible] videtur est [illegible] finali eiusdem. Multum [illegible] [illegible] sit [illegible]
[illegible] [illegible] oppinantes ventum esse aerem motum
et non aliud [illegible] quod ventus non est aer motus
[illegible] quia vel aer motus qui [illegible] ventus movetur naturaliter vel viole-
nter [illegible] motu quo movetur ventus [illegible] naturaliter non [illegible] [illegible] quod [illegible] aer
sic movetur [illegible] [illegible] movetur motu alio a quo [illegible] motus [illegible]
naturaliter non [illegible] est [illegible] [illegible] [illegible] movetur alio motu [illegible] [illegible] [illegible]
[illegible] movetur sic violenter [illegible] [illegible] ab aliquo movente [illegible]
[illegible] et tunc [illegible] [illegible] [illegible] quod [illegible] movens [illegible] sit movens [illegible]
et [illegible] [illegible] et [illegible] [illegible] [illegible] [illegible] materia venti est exalacio calida
et sicca [illegible] non [illegible] quia non est aer motus nec est [illegible] [illegible]
[illegible] nec [illegible] [illegible] [illegible] [illegible] ergo [illegible] quod sit [illegible]
[illegible] vel exalacio. Vapor [illegible] est humidus [illegible] exalacio
vero calida et sicca [illegible] omnium impressionum materia sit [illegible] vel exalacio
sicut dicebatur in primo [illegible] [illegible] est [illegible] quod ventus non est [illegible]
humidus quia ventus [illegible] [illegible] et [illegible] [illegible] non faceret [illegible]
[illegible] humidus [illegible] ergo quod sit exalacio. Secundo materia venti
[illegible] [illegible] [illegible] [illegible] sunt inflamaciones [illegible] inflamacionum
materia est exalacio calida et sicca non [illegible] [illegible] [illegible] [illegible] quod venti
sunt [illegible] materia [illegible] sunt impressiones que sunt [illegible]
[illegible] [illegible] [illegible] materia [illegible] sunt venti non sunt impressiones [illegible]
[illegible] [illegible] [illegible] quia [illegible] exalacio [illegible] [illegible] est [illegible]
[illegible] quia ventus et pluvia [illegible] [illegible] [illegible] [illegible] [illegible]
quod venti faciunt [illegible] pluvias [illegible] [illegible] materia pluvie sit [illegible]
et [illegible] [illegible] quod materia venti sit calida et sicca [illegible] [illegible] exala-
cio calida et sicca non [illegible] ventus [illegible] ad motum lateralem [illegible]
exalacio calida et sicca movetur [illegible] sursum vel deorsum [illegible]
[illegible] ventus [illegible] exalacio motu laterali [illegible] et [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] ventus [illegible] [illegible] non [illegible] [illegible]
[illegible] [illegible] exalacionis calide et sicce movetur lateraliter ad

[illegible] [illegible] [illegible] [illegible] [illegible] est [illegible] est motus lateralis
talis exalacionis [illegible] [illegible] sit [illegible] [illegible] [illegible] et [illegible] [illegible]
[illegible] quia [illegible] movetur et elevatur [illegible] talis exalacionis [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] sicut [illegible] [illegible] [illegible] [illegible] fumi [illegible]
[illegible] [illegible] [illegible] [illegible] non videmus quod sole [illegible] [illegible] [illegible]
[illegible] corpora [illegible] movetur a radiis solaribus [illegible] non [illegible] [illegible] [illegible]
non [illegible] quod fumi et exalaciones que elevantur et [illegible] sursum levat
[illegible] corpora [illegible] que sic movetur a radiis solaribus [illegible]
[illegible] quod ad exalacione sit motum [illegible] non aer [illegible] [illegible] est quia aer
[illegible] motus et [illegible] [illegible] sui levitate. Multum [illegible] sit [illegible]
[illegible] quod motus lateralis talis exalacionis non
solum est [illegible] et levitate [illegible] quia gravitas et le-
vitas sunt [illegible] motus [illegible] motu recto et non laterali. Secunda [illegible] motus
lateralis talis exalacionis est [illegible] et [illegible] [illegible] modo quia ad exalacio
calida et sicca [illegible] sursum [illegible] sol [illegible] frigidum [illegible] ad
[illegible] [illegible] [illegible] media regionem tunc repellitur a frigiditate media regionis [illegible]
[illegible] frigidum [illegible] sit [illegible] in primo [illegible] et ad talis exalacio
[illegible] [illegible] et ad sit levius aqua [illegible] ad [illegible] [illegible] [illegible]
[illegible] sit [illegible] descendere deorsum et tunc [illegible] [illegible] deorsum
[illegible] [illegible] [illegible] quia appetit ascendere [illegible] [illegible] motus [illegible]
[illegible] lateralis [illegible] [illegible] quod [illegible] exalacio calida et sicca [illegible]
[illegible] [illegible] [illegible] et [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] quod sit [illegible] [illegible] [illegible] [illegible] [illegible] et [illegible] [illegible] est [illegible]
[illegible] et [illegible] [illegible] [illegible] 2o quod motus [illegible] venti sunt
[illegible] non est motus [illegible] talis exalacionis [illegible] violentus [illegible] [illegible] [illegible]
[illegible] [illegible] ventus [illegible] [illegible] et [illegible] et [illegible] [illegible] sit aer et
[illegible] [illegible] [illegible] et [illegible] quia [illegible] exalacio [illegible] [illegible] [illegible] non
[illegible] est modica [illegible] [illegible] [illegible] [illegible] est [illegible] [illegible] exalacio sit
[illegible] [illegible] et [illegible] [illegible] sit aer [illegible] [illegible] [illegible] [illegible] exala-
[illegible] sit aqua [illegible] [illegible] et [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] non est tantum et [illegible] [illegible] [illegible] est [illegible] [illegible] [illegible] et
[illegible] [illegible] exalacio seu venti [illegible] sicut [illegible] [illegible] [illegible]
[illegible] modica sicut [illegible] vel [illegible] et [illegible] [illegible] [illegible]
sit aer [illegible] [illegible] et [illegible] [illegible] [illegible] [illegible] sit [illegible]
[illegible] venti [illegible] est pluvia [illegible] [illegible] aut est [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] et [illegible] quia [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] est [illegible] [illegible] pluvie et [illegible] quia [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] et [illegible] [illegible] [illegible] [illegible]
[illegible] motus [illegible] venti est [illegible] [illegible] et [illegible] [illegible] [illegible]
[illegible] et [illegible] exalacio [illegible] est materia venti [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] exalacio [illegible] fortis [illegible] et [illegible] [illegible]
et [illegible] [illegible] venti [illegible] [illegible] sit [illegible] modo [illegible] [illegible] in [illegible]

ligno est exalacio calida et sicca que non potest exire libere et ad extra prius porum et sic tunc exit faciendo clerum sonum et talis flatus est ita et de aquibus motibus equaliter exit similis ventus quia in talibus motibus est aliqua exalacio generata calida et sicca et a calore solis digesta que tamen non potest exire nisi per una stricta et sic fit aliqualis sonus et ventus [illegible] Ad decimo quarto quo adducitur [illegible] quod actibus [illegible] temporibus ventorum aer [illegible] caliditas [illegible] quia aliqui venti fuissent pluvia frigida et adducunt aerem [illegible] ergo [illegible] que [illegible] solidam et [illegible] Ad decimo quinto [illegible] debent [illegible] quia tunc calor et [illegible] quod exalacio que debet esse [illegible] venti [illegible] et ergo [illegible] multitudinem ventorum Ad quintum decimo [illegible] quod aliqui venti sunt humidi [illegible] [illegible] [illegible] aliqui venti fuissent pluvia humida et [illegible] aerem [illegible] ergo [illegible] venti [illegible] humidi Ad decimo sexto [illegible] quod exalacio non [illegible] frigida [illegible]

[illegible]

Utrum sol [illegible] ventus [illegible]

[illegible]

[illegible]

[illegible] omnibus [illegible] non [illegible] eisdem agencia [illegible] sicut [illegible] videmus enim quod calor [illegible] glaciem et [illegible] et dissolvit [illegible] alia et [illegible] agentia naturalia [illegible] absentia [illegible] productive [illegible] aliorum Unde sicut [illegible] [illegible] absentia [illegible] frigiditas [illegible] et [illegible] absentia [illegible] solis [illegible] sol et [illegible] frigiditas [illegible] ut dictum est [illegible] Ad decimo [illegible] dico [illegible] quod venti sunt [illegible]

[illegible]

sunt magis activae. Et duae sunt passivae scilicet humiditas et siccitas quia
caliditas et frigiditas sunt causae commotionis et impulsionis ventorum. Habito
quare de calido quod sit pulsativum et impulsivum ventorum videndum est quod sit
motivum ventorum nam calidum facit exhalationes, exhalationes cum calidum
frigidum corrumpit. Habito quod calidum humidum consumit et tunc sunt
exhalationes, quibus sunt venti. Deinde quod calidum est sit impulsivum
ventorum et faciat eos cessare. Primo quod exhalationes calidum decipit
exhalationes generatas in terra congregat et consumit et tunc deficiunt materia
venti scilicet exhalationes non sunt venti. Et est simile de eo sicut quando unum
lignum generatur ad unum magnum ignem non fumat scilicet fumus in eo
consumitur cum ab eo elevetur. Habito quod calidum decipit exhalationes
elevatas subtiliat et consumit et tunc facit cessare ventos. Deinde
quod frigidum sit promotivum et impulsivum ventorum quia si frigidum
tam minus supervenerit aestivum tunc est adustivum humidi aquosi et
putrida terra sunt constrictiva facit fumare sicut eo non frigidum est
promotivum ventorum terra cum fumat sunt exhalationes quae sunt
materia ventorum. Habito frigidum est impulsivum ventorum nam quod frigidum est
multum intensum tunc claudit poros terrae quod non sunt exhalationes
et tunc non sunt venti. Exposito [illegible] quod pauce exhalationes
elevantur circa [illegible] maris sed quod [illegible] tunc [illegible] frigus multum
sunt fortiter clausi. Sed dicetur videtur quod hoc non verum quia super mare
fortes sunt venti quam super terram quod non videtur debere fieri nisi
multe exhalationes circa mare supra elevarentur. Sed quod venti
qui sunt super mare non sunt exhalationibus elevatis circa superficiem
maris sed sunt ex exhalationibus quae veniunt circa situm maris sicut
cum terra consituatur circa mare est multum spongiosa et porosa
et apta adhuc ut abinde generentur exhalationes et ad est exhalationes
veniunt super mare fortiter currunt et movent quod super terram eo
quod superficies maris est magis regularis et plana quam sit superficies
terrae et ideo super terram non sunt ita magni venti sicut super mare.
Rationes primae duae sunt solutae. Tertia ad hoc sequitur
quod in aestate et cetera quia [illegible] sol non est promotiva causa ventorum
quod maxime exhalationes elevantur sit in aestate tunc enim
calor est in partibus inferioribus quod exhalationes consumuntur quod debet
esse materia venti. Sed cum sol in medio non sic est sicut in vere et
in autumpno tunc est eius promotiva ventorum et tunc est ea sufficientes ad eos
sufficientes et potens elevare exhalationes sed non est ea sufficientes ad eos
consumendum eas exhalationes. Quaeritur utrum borea ventus et auster
de polo artico et
de polo antartico.
Arguitur primo quod borea non veniat a polo artico quia ut communiter a polo
polus tunc non est [illegible] nisi quaedam puncta in caelo per quem [illegible] puncto
caeli immobili sed non sic est quod arcticus puncto tunc non potest [illegible]

exhalationes. Et sunt multi venti et cetera. Habito si borea veniret
a polo artico puncto sequeretur quod nullus in Francia flaret, tunc borea
nisi veniret per Angliam et esset flaret ibi sed hoc est falsum quia et cetera quod
eo quod Anglia sita est inter Franciam et istud punctum sub polo
artico scilicet flatus currit per unam intermedia inter Angliam et
Franciam posset elevare exhalationes. Quia si praecedente usque Francia
Francigenae dicunt in Francia flat borea et tamen non est flat
borea in Anglia. Habito si tunc exhalationes parte usque Anglia
Anglici dicunt eis flat auster et tunc usque Francigenae
flat boreas et Anglicis flaret auster. Et consimilibus rationibus
posset probari quod ut auster veniret a polo antartico sed quod
sicut auster venit a polo antartico et hoc sic venti contrarii dicunt
contraria loca sed boreas venit a polo artico nobis sicut auster
tollens dicitur. Oppositum quod auster dicitur nobis venire a polo antartico
a quo artico et polus antarticus sunt loca opposita quae maiori
abinvicem distant. Habito auster adducit nobis pluvias sed non esset
hoc calida et adusta quae est via solis quod angulo ultimo sed ab
altero polo venit a polo antartico. Habito polo antartico venit
nobis aquilonis ventus si non aliter quam auster quod et cetera. Similiter omnis est
anglicis qui dicitur borea venit a polo artico. Et dicitur austrum
venire a polo antartico. Similiter contra quae primo videndum de positione et
[illegible] polorum. Habito videndum est a quo veniunt venti aut quo vadunt.
Quinto ad primum imaginandum unum
magnum circulum quo vocatur spera et
imaginandum primo in circulo quatuor puncta scilicet unum usque medium
diei aliud usque septentrionem a quibus duobus punctis venti qui veniunt
nobis dicuntur contrarii et unus eorum dicitur auster et alius boreas. Et alia
duo puncta sibi contraria et opposita scilicet unum usque oriens aequinoctiale
et aliud usque occidens aequinoctiale. Et venti flantes ab istis
duobus punctis etiam dicuntur contrarii. Et ista quatuor venti qui veniunt ab istis
quatuor punctis dicuntur venti principales. Deinde secundo imaginandum unum punctum in
oriente aestivali et aliud in occidente yemali. Et venti qui veniunt ab
istis duobus punctis etiam dicuntur contrarii. Deinde imaginandum duo alia
puncta scilicet unum in occidente aestivali et aliud in oriente yemali
et venti ab istis duobus punctis sic flantes etiam dicuntur contrarii et ita
octo venti principales. Habito imaginandum in praedicto circulo unum
punctum inter polum articum et oriens aestivum. Et similiter aliquem
alium punctum a quo puncto non flat ventus contrarius sed unum est quod
inter polum antarticum et inter oriens yemale a quo est sicut imaginatio unum puncto
unus ventus flat et dicitur magis etiam [illegible] circa [illegible]. Et pro ista sunt

ymaginari puncta . secundo circulo [illegible] intra [illegible] ymaginis
gradi stat venti [illegible] quod aristoteles [illegible] puncta et
[illegible] [illegible] et declinatio [illegible] patet . Item Nota
aut [illegible] ventorum qui sunt duodecim patet [illegible]
solanus [illegible] et [illegible] ab [illegible] Secundo venit aquilo [illegible]
chorus ab ortu Et qui [illegible] est affricus auster
circius occasu septentrio et [illegible] afflat [illegible]
est [illegible] quod poli [illegible] duo puncta [illegible]
[illegible] Secundo [illegible] poli [illegible]
tra [illegible] puctorum [illegible] quod [illegible]
possit fieri exalaciones et venti [illegible] venti [illegible] sunt usque polum
et usque tropicum non [illegible] [illegible] adlatitudinem [illegible]
[illegible] polo [illegible] non [illegible] exalaciones [illegible]
frigus quod [illegible] pororum terre Et [illegible]
[illegible] et [illegible] sit venti [illegible] exalaciones [illegible]
[illegible] calide [illegible] ubi est [illegible]
[illegible] ex [illegible] fieri exalaciones et venti [illegible]
[illegible] quod vocatur non flat usque adtropicum estivalem
[illegible] exalaciones [illegible] [illegible] calida [illegible] quod [illegible] venti [illegible]
[illegible] ibi non [illegible] et [illegible]
[illegible] adlocum [illegible] [illegible] ab
[illegible] polo flat [illegible] vocatur Et [illegible]
vocatur [illegible] polo flat [illegible] sunt [illegible] et ibi [illegible]
[illegible] polo non flat adtropicum nobis yemalem
[illegible] polo non [illegible] adtropicum [illegible]
estivalem et [illegible] yemalem [illegible] Et [illegible]
[illegible] auster non flat nobis a polo antartico [illegible]
sic quod [illegible] nec sic quod [illegible] movetur [illegible]
[illegible] debeat [illegible] adillum polum [illegible]
[illegible] adillum polum [illegible] et non [illegible] locum ubi
[illegible] exalaciones que sunt [illegible] auster [illegible]
[illegible] nobis et [illegible] polum [illegible] flare [illegible]
[illegible] veniret adnos [illegible]
[illegible] tropico estivali ubi est [illegible] polo
[illegible] Et [illegible] exalaciones [illegible]
antarticum et tropicum estivalem sit [illegible] exalaciones [illegible]
sit [illegible] est [illegible] calida [illegible] tropico estivali [illegible]
[illegible] exalaciones [illegible] adtropicum estivalem [illegible]
[illegible] usque polum antarticum
[illegible] veniret adnos [illegible] quod [illegible]
usque adpolum antarticum [illegible] frigus [illegible]

[illegible] et non ultra [illegible] quod [illegible] vocatur flat usque
adpolum antarticum [illegible] non flat usque adtropicum estivalem [illegible]
[illegible] est medium inter nos et polum antarticum [illegible] nec flat
adpolum antarticum [illegible] sit [illegible] de [illegible]
[illegible] Septentrio [illegible] vocatur venit [illegible] polum ar
[illegible] Auster [illegible] venit [illegible] polum antarticum [illegible] quia
[illegible] polo artico [illegible] polum
[illegible] quam sit [illegible] polum antarticum [illegible] vocatur
[illegible] quod [illegible] aristoteles quod vocatur venit apolo artico auster
[illegible] venit apolo antartico [illegible] illud [illegible] quod vocatur [illegible]
[illegible] quam sit [illegible] quam [illegible] vocatur est
[illegible] exalaciones et [illegible] quam sit [illegible]
[illegible] auster [illegible] calidus [illegible] regionibus non
[illegible] venti [illegible] est quod [illegible] vocatur
[illegible] sit debilior Et [illegible] est [illegible] quod vocatur venit [illegible]
[illegible] calida et ideo [illegible]
[illegible] exalaciones [illegible] et [illegible]
[illegible] vocatur [illegible] quod [illegible]
[illegible] exalaciones [illegible] et [illegible] vocatur sit ibi
debilior Et [illegible] est de austro [illegible] exalaciones [illegible]
[illegible] calida [illegible] frigidiores [illegible]
[illegible] frigidioribus [illegible] est exalaciones
[illegible] quas exalaciones [illegible] ibi [illegible]
[illegible] est [illegible] quod [illegible]
[illegible] venit apolo artico [illegible] quod venit [illegible]
[illegible] polo artico [illegible] quod venit [illegible] polum et [illegible] ab
[illegible] Et [illegible] quod [illegible] est quod [illegible]
flat auster [illegible] flat vocatur sicut dicebatur
[illegible] questione et [illegible] quod
veniret apolo antartico [illegible] veniret [illegible]
[illegible] quod veniat abalio polo [illegible] distantia [illegible]
[illegible] dico quod auster adducat nobis pluvias dico
[illegible] nobis [illegible] et [illegible] et
[illegible] pluvias [illegible] et [illegible] adnos [illegible] venti [illegible]
[illegible] quod apolo antartico [illegible] ventus [illegible] non
adnos [illegible] ventus est auster [illegible] vocatur [illegible]
[illegible] Circa [illegible] sit [illegible]
[illegible] sit [illegible]
[illegible] quod non [illegible]
[illegible] motus [illegible] et [illegible]
[illegible] et [illegible]
[illegible] [illegible] agentis
[illegible] sufficiat [illegible]

in suo loco. Secundo non [illegible] proprie est terra movetur vel ergo movetur
naturaliter vel violenter [illegible] ubi sit dici ergo etc. Non naturaliter quia naturaliter
terra quiescit in suo loco scilicet in medio mundi. Nec etiam violenter
quia non videtur aliquod violentum quod sufficiat movere terram a suo
loco propter resistentiam et magnitudinem eius terre. Tertio si motus terre
esset propter quod [illegible] magis quam fieret ab aliqua causa calida et sicca
generata et delusa in terra [illegible] hoc non quia tales exhalationes [illegible] et
mobiles ergo videtur quod locus eius generationis non sit in terra [illegible] quia
est in loco [illegible] situata. Quarta quia tales exhalationes [illegible]
et ergo ipsa non possunt movere terram aliquo modo. Et ergo videtur quod motus terre
non sit propter [illegible] et angeles [illegible] statu etc. Sed contra
quia [illegible] videmus sunt aliqui modi quibus possumus ymaginari
terram moveri [illegible] et [illegible] et [illegible] quando motus
terre. Tertio videtur in quo loco et in quo tempore solet ut in pluribus
fieri motus terre. Et solvitur in quo tempore dicitur in quo loco fiat.

Quinto queritur [illegible] quod possimus
ymaginari terram moveri circulariter
sicut antiqui ymaginabantur quod terra movetur circulariter motu diurno
et celum quiescit et per illud solvebant apparentiam in celo scilicet ortum
et occasum solis. Unde si sol quiesceret et terra moveretur circulariter et
nos una cum ea ita quod sol apparet oriri et occidere nobis sicut si
terra quiesceret et celum moveretur et etiam sol [illegible] de isto motu terre
non intendo [illegible] nec etiam oppositum [illegible] quia [illegible] celum
movetur et etiam planete moventur non videtur quomodo possemus salvare
eclipses et coniunctiones et oppositiones planetarum. Secundo non potest terra
ymaginari moveri ascendendo et descendendo secundum se totam et hoc quo ad medium
[illegible] recta et de isto motu terre etiam [illegible] non intendo. Tertio possumus
ymaginari terram moveri propter levificationem aliquarum partium terre [illegible]
[illegible] sol ita quod aliqua pars terre non sit calor solis levificata
[illegible] a medio mundi totaliter [illegible] terre [illegible] illa pars terre
sursum sic calor solis levificata donec medium totaliter [illegible]
terre mundi sit medium et forte quod [illegible] terra sic locatur [illegible]
aer [illegible] impediet quoniam [illegible] levificatio [illegible] moveat aliquo
motu et de isto motu terre etiam non intendo [illegible]. Quarto potest
ymaginari quod terra movetur secundum aliquas suas partes [illegible] non secundum
se totam et hoc fit aliquando propter [illegible] et divisiones aliquarum partium
terre que descendunt deorsum infra terram ut in aliquibus partibus in quibus
sunt argentifodine sicut in Boemia terra [illegible] et [illegible]
et [illegible] [illegible] sustentata non [illegible] [illegible]
[illegible] terra [illegible] descendit [illegible] et partes terre [illegible]
[illegible]. Et de tali motu terre non intenditur. Sexto aliquando

[illegible] modo possunt non probant aliquid [illegible] quod motus comete non sit [illegible]
ut violentus non [illegible] quam [illegible] sit [illegible] naturaliter et [illegible] [illegible] impressionem ut
patuit [illegible]. Utrum comete [illegible] [illegible] principaliter sicut [illegible] et
motus terre. Et [illegible] quod non [illegible] motus
principaliter quia [illegible] [illegible]
[illegible] sicut principes [illegible] [illegible] non [illegible] [illegible] motus principaliter quia
[illegible] [illegible] etc. Secundo sic galaxia non [illegible] ergo ut cometa [illegible] quod
[illegible] galaxia est [illegible] [illegible] [illegible] [illegible] motu est [illegible] [illegible]. Tertio sic
cometa [illegible] [illegible] planetarum [illegible] sicut [illegible] [illegible] ergo non [illegible]
[illegible] [illegible] [illegible] non [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] ut [illegible] [illegible] [illegible] [illegible] apparuit [illegible] cometa [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] non sunt [illegible]
[illegible] [illegible] [illegible] cometa [illegible] [illegible]. [illegible] quod cometa non [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] non [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] quod non [illegible] [illegible] et motus terre non [illegible] [illegible] non [illegible]
[illegible] quia motus terre sit [illegible] [illegible] [illegible] [illegible] non [illegible]
[illegible] ergo etc. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] quod [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] quod [illegible]
[illegible] comete [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] comete [illegible] [illegible] [illegible]
[illegible] [illegible] astrologi [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] cometa [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] quod [illegible] [illegible] sunt [illegible] [illegible] [illegible] [illegible]
[illegible] quod cometa est [illegible] [illegible] et [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] quia [illegible] [illegible] sit [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] quod cometa est [illegible] [illegible] [illegible]
[illegible] [illegible] magnorum ventorum [illegible] [illegible] [illegible] [illegible]
[illegible] exhalationes calide et sicce et hec [illegible] [illegible] [illegible]
[illegible] ventorum ut [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] et sunt venti magni et etiam quia [illegible] et [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] manere et cometa [illegible] [illegible]
quia [illegible] sunt venti magni [illegible] cometa est signum motus terre [illegible]
[illegible] [illegible] calor solis [illegible] [illegible] et [illegible] [illegible]
motus terre ut [illegible] claudit [illegible] exhalationes et calidas [illegible] [illegible]
[illegible] quia cometa [illegible] [illegible]. [illegible] cometa est signum [illegible] [illegible] [illegible]
[illegible] et [illegible] est signum magnorum ventorum non [illegible] sunt magni venti aqua
est signum [illegible] [illegible] super terram [illegible] sit [illegible] [illegible]. [illegible] cometa
[illegible] magni motus terre [illegible] [illegible] sit magnus motus terre sunt [illegible]
et [illegible] terre et [illegible] et [illegible] illi motus [illegible] [illegible] [illegible] [illegible]

sunt sup[er] ista exalacio[n]e q[uo]d q[uo]d lumi[n]e reflecti usq[ue] visu[m] n[ost]r[u]m et q[uod] sic ex ista exalacione p[ro]pt[er] reflexione[m] lumi[n]is sup[er] ipsa[m] ipsa apparet sic albescere et q[uia] t[ame]n [illegible] [illegible] stellis [illegible] dicit[ur] et est galaxia et via lactea. Sz [illegible] no[n] [illegible]
q[uia] [illegible] sic q[uo]d no[n] [illegible] galaxia apparet nob[is] s[e]c[un]d[u]m p[ar]te[m] celi s[e]c[un]d[u]m [illegible] plu[res]
q[uia] [illegible] apparet nob[is] [illegible] p[ar]te celi ubi sunt [illegible] multe stelle [illegible]
[illegible] celo quiescente et [illegible] visa [illegible] loco no[n] [illegible] [illegible] visa [illegible]
p[ar]te [illegible] ut [illegible] [illegible] [illegible] [illegible] sol [illegible] [illegible]
nob[is] [illegible] [illegible] ista exalacione quiescente [illegible] [illegible]
[illegible] ista exalacio[n]e ad nos [illegible] via lactea [illegible] lumi[n]e reflexione no[n]
apparet [illegible] nob[is] [illegible] loco ut s[e]c[un]d[u]m p[ar]te[m] celi [illegible] [illegible] [illegible]
op[ini]o [illegible] [illegible] dicentiu[m] galaxia[m] [illegible] [illegible] [illegible] lumi[n]e [illegible] lumi[n]e ip[s]i[us]
[illegible] [illegible] [illegible] et lumi[n]e stellaru[m] sic [illegible] [illegible] et [illegible] stelle
sic lucet usq[ue] [illegible] et [illegible] usq[ue] celum [illegible] apparet via lactea et [illegible]
albedo [illegible] [illegible] [illegible] lumi[n]e est galaxia. Con[tra] ista[m] opi[ni]o[n]em arguit aliter
no[n] [illegible] [illegible] [illegible] lucet [illegible] valde modica[m] lucem aliter
[illegible] [illegible] visor[um] stellaru[m] [illegible] q[uia] valde modica[m] lucem obfuscando
[illegible] [illegible] [illegible] stellaru[m] et [illegible] una ad lumen [illegible] stellaru[m] no[n]
[illegible] [illegible] albe[illegible] [illegible] nob[is] apparet [illegible] ubi apparet via lactea. [illegible] sic
[illegible] s[e]c[un]d[u]m avicenna[m] et s[e]c[un]d[u]m [illegible] et s[e]c[un]d[u]m [illegible] et s[e]c[un]d[u]m plures alios
[illegible] [illegible] [illegible] no[n] [illegible] et [illegible] op[ini]o [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] no[n] lucerat [illegible] est [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] sit densu[m] [illegible] aer [illegible] [illegible] [illegible]
no[n] [illegible] [illegible] [illegible] [illegible] ut [illegible] [illegible] [illegible] [illegible]
sic [illegible] p[ar]tes celi q[ue] no[n] sunt stelle [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] no[n] lucet [illegible] [illegible] [illegible] [illegible] no[n] lucerat [illegible]
op[ini]o est s[e]c[un]d[u]m [illegible] nova [illegible] q[uod] galaxia sit exalacio [illegible]
[illegible] [illegible] ymaginabile q[uod] s[e]c[un]d[u]m p[ar]te[m] celi [illegible] stelle sunt [illegible]
[illegible] q[ue] nob[is] apparent ubi apparet nob[is] via lactea i[n] celo [illegible]
[illegible] stellaru[m] eleuat[ur] exalacio q[ue] i[n] [illegible] [illegible] aeris [illegible] [illegible]
[illegible] [illegible] apparet nob[is] via lactea i[n] celo. Et si dicat[ur] q[uod] [illegible]
sic [illegible] q[uod] galaxia [illegible] [illegible] apparet [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] sunt multe stelle [illegible] eleuat et [illegible]
[illegible] [illegible] et i[n]flamat[ur] i[n] [illegible] [illegible] aeris [illegible] [illegible]
[illegible] [illegible] [illegible] et apparico[n]e[m] [illegible] ista[m] op[ini]o[n]em [illegible] q[uod] [illegible]
[illegible] [illegible] sunt multe exalacionu[m] eleuaco[n]es [illegible] nimio calore
[illegible] et [illegible] [illegible] exalacio[n]es [illegible] dissolu[n]t[ur] q[uod] no[n] [illegible] [illegible] [illegible]
[illegible] q[uia] [illegible] [illegible] et [illegible] [illegible] [illegible] [illegible] apparent.
Dubit[ur] adh[uc] [illegible] sic [illegible] ista [illegible] q[uod]
[illegible] i[n] [illegible] aeris [illegible] [illegible] [illegible] [illegible]
[illegible] no[n] apparet s[e]c[un]d[u]m p[ar]te[m] celi [illegible] [illegible] [illegible] [illegible] [illegible] sit [illegible]
[illegible] [illegible] et [illegible] [illegible] et videat[ur] [illegible] [illegible] aeris et [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] p[ar]te celi [illegible]
[illegible] [illegible] [illegible] [illegible] aeris [illegible] s[e]c[un]d[u]m p[ar]te[m] celi [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] p[ar]tes celi [illegible] [illegible]
[illegible] duob[us] [illegible] [illegible] [illegible] celi [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] lumi[n]e [illegible] [illegible] [illegible] [illegible] celi et [illegible] lumi[n]e [illegible]

no[n] [illegible] p[ar]te celi [illegible] [illegible] [illegible] [illegible] [illegible] quib[us] [illegible] [illegible]
sit [illegible] [illegible] galaxia no[n] est [illegible] [illegible] q[uia] [illegible] [illegible] [illegible] [illegible]
no[n] apparet [illegible] p[ar]te celi [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] q[uia] [illegible] [illegible] [illegible] galaxia apparet [illegible]
[illegible] p[ar]te celi [illegible] [illegible] apparet i[n] ubi sunt multe stelle [illegible] et [illegible]
[illegible] [illegible] galaxia no[n] est impressio [illegible] [illegible] [illegible]
[illegible] apparet i[n] celo [illegible] [illegible] [illegible] impressio [illegible]
[illegible] exalacio[n]es [illegible] [illegible] [illegible] magna multitudine [illegible]
no[n] [illegible] appareret ita [illegible] sicut apparet [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] q[uia] no[n] [illegible] exalacio [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] et q[uia] [illegible]
[illegible] [illegible] exalacionib[us] no[n] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] stellaru[m] [illegible] est q[uod] [illegible] [illegible] [illegible] galaxia
[illegible] i[n] celo [illegible] [illegible] exalacio eleuata [illegible] [illegible] posset dici
[illegible] exalacio sit eleuata no[n] apparet [illegible] galaxia [illegible] [illegible] q[uod] [illegible]
[illegible] [illegible] q[uia] [illegible] lumi[n]e [illegible] stellaru[m] [illegible] usq[ue] [illegible] et q[uod] [illegible] [illegible]
[illegible] [illegible] [illegible] apparent albesc[er]e [illegible] [illegible] sic [illegible] [illegible]
[illegible] no[n] [illegible] [illegible] [illegible] [illegible]. [illegible] galaxia est [illegible] celi
[illegible] est [illegible] celi [illegible] [illegible] [illegible] no[n] est [illegible] [illegible] [illegible]
[illegible] celi. Et [illegible] [illegible] [illegible] [illegible] via lactea est i[n] [illegible] i[n] celo
[illegible] no[n] si dicat[ur] q[uod] sic i[n] [illegible] [illegible] q[uod] [illegible] [illegible] [illegible]
[illegible] apparet s[e]c[un]d[u]m [illegible] p[ar]tib[us] celi [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] apparet [illegible] via lactea ubi [illegible] sunt tot stelle i[n] [illegible] magna multitudine
Si aut[em] dicat[ur] q[uod] est i[n] celo [illegible] [illegible] i[n] celo [illegible] [illegible] [illegible]
sup[er] ista exalacio[n]e eleuata usq[ue] [illegible] [illegible] no[n] [illegible] [illegible] no[n] [illegible] dici [illegible]
q[uod] ista exalacio [illegible] [illegible] [illegible] [illegible] lumi[n]e [illegible] et s[e]c[un]d[u]m q[uod] [illegible]
[illegible] densa [illegible] rara s[e]c[un]d[u]m [illegible] via lactea appareret [illegible] [illegible]
[illegible] alba [illegible] [illegible] apparet [illegible] [illegible] apparet [illegible] [illegible] et [illegible]. Si [illegible]
q[uod] no[n] [illegible] [illegible] i[n] celo q[uod] lumi[n]e [illegible] stellaru[m] reflectit[ur] sup[er] ista exala[cione]
[illegible] [illegible] q[uod] [illegible] est de[n]ia celi et [illegible] [illegible] [illegible] [illegible] q[uod] galaxia
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] celi [illegible] [illegible]
[illegible] [illegible] p[ar]tes celi q[ue] sunt [illegible] [illegible] et sunt stelle q[ue] [illegible]
no[n] lucent et sunt [illegible] [illegible] [illegible] stellas [illegible] [illegible] [illegible]
[illegible] q[uod] no[n] sunt [illegible] [illegible] stelle ut [illegible] [illegible] [illegible] [illegible] celi
[illegible] [illegible] [illegible] ubi apparet via lactea et q[uia] [illegible] [illegible]
[illegible] [illegible] et [illegible] no[n] lucent ut [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] apparent albe et [illegible] [illegible] p[ar]te celi [illegible] sunt stelle [illegible] [illegible]
[illegible] [illegible] alba seu via lactea seu galaxia. [illegible] ad
[illegible] [illegible] [illegible] galaxie et comete dico q[uod] [illegible] no[n] sunt
[illegible] impressio[n]es [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] stella [illegible] [illegible] [illegible] q[uia] [illegible] stelle [illegible] [illegible]
[illegible] [illegible] exalacio[n]e[m] no[n] [illegible] celo [illegible] q[uod] ista exalacio [illegible] [illegible]
[illegible] [illegible] [illegible] et [illegible] [illegible] [illegible] [illegible] q[uod] via lactea
[illegible] [illegible] et [illegible] no[n] est [illegible] q[uod] ista exalacio i[n] [illegible]
sit via lactea [illegible] [illegible] q[uod] [illegible] p[ar]tes celi est

densior et aqua rarior [illegible] non est unum [illegible] sub partibus [illegible] diffusus et
quia [illegible] diffinitas [illegible] celum [illegible] magis pulcrum [illegible] sed galaxia esset de
natura celi tunc [illegible] non esset [illegible] in libro secundo [illegible]
tradidit de ea [illegible] quod plures antiqui crediderunt quod galaxia
esset de natura elementari [illegible]
et sic finitur questio primi libri metheororum. Circa secundum librum metheororum
queritur primo utrum locus
generationis pluvie sit media re-

gio aeris [illegible] non [illegible] elementum debet generari [illegible] lo-
[illegible] media regio aeris est locus [illegible]
pluvie [illegible] ut pluvia [illegible] sit media regio
aeris est locus generationis impressionum ignitarum [illegible] non locus generationis impres-
sionum aquearum [illegible] locus generationis [illegible] pluvie [illegible]
[illegible] locus generationis [illegible] media regio
aeris generantur chorusscationes et fulmina [illegible]
[illegible] vapor elevatus ad mediam regionem
aeris [illegible] frigiditate medie regionis aeris condensatur in nube et descendit
[illegible] pluvia [illegible]
[illegible] nubes [illegible] debet [illegible]
[illegible] pluvie et nubes generantur [illegible]
[illegible] media regio aeris est locus generationis pluvie [illegible]
[illegible]

[illegible]

[illegible]

[illegible] aeris ubi [illegible] calor [illegible]
[illegible] vapor elevatus [illegible]
[illegible] media regione aeris [illegible] pluvie [illegible]
[illegible] media
generationis pluvie [illegible]
nubes [illegible] vapor[illegible]
elevati in nube [illegible] media regio aeris [illegible]

[illegible]

[illegible]

[illegible]

[illegible] sic est quod aqua tota in loco suo naturali cadit ad speram [illegible] in 2o celi ergo [illegible] gutta [illegible] obstruet [illegible] debent [illegible] gravitate et quanto plus descendit tanto debent [illegible] gibbose [illegible] debent [illegible] aqua [illegible] gutte [illegible] nubibus [illegible] et quanto plus [illegible] maioris gibbositatis et quanto plus est superius tanto [illegible] et quanto plus est inferius tanto est prope [illegible] aqua [illegible] in alto [illegible] in basso [illegible] in alto [illegible] in basso [illegible] superius [illegible] in alto est prope [illegible] maioribus [illegible]

[illegible] pluviarum [illegible] est pluvia [illegible] pluvia [illegible] pluvia [illegible] pluvia [illegible]

[illegible] pluvie [illegible] pluvia [illegible] pluvia [illegible]

[illegible] pluvia [illegible] aqua [illegible] pluvia [illegible] pluvie [illegible] vapores elevati [illegible] nubes et non [illegible]

[illegible] nove et nove [illegible] adveniat [illegible] pluvia [illegible] si [illegible] nove et nove [illegible] adveniunt [illegible] pluvia [illegible] naturalis [illegible] ad primam dico quod [illegible] non potest [illegible] aque [illegible] aqua vel pluvia [illegible] est quod [illegible] in loco naturali [illegible] elementi [illegible] elementum [illegible] loco [illegible] elementi [illegible] elementum [illegible] dico quod [illegible] aque [illegible] dico quod [illegible] pluvia cadit [illegible] vapore [illegible]

[illegible] pluvia [illegible] pluvia [illegible] pluvia [illegible]

[illegible] pluvia [illegible] pluvia [illegible] pluvia [illegible]

vapor qui congelatur antequam perfecte in nube generetur fit nix quia ante quam
condensatur in nube absque hoc quod congeletur fit pluvia Secundo quaeritur ...
quod utriusque materia calor sol elevat ...
Tertio quaeritur ... quod utriusque materia ... quam pluvie condensatur ...
... quaeritur ... quod utriusque ... fit in media regione aeris ...
... quod ambo ... ex eodem vapore ...
... in nube ... regione aeris quod ea nive cadente ...
... liquescat et fiat aqua antequam veniat ad terram ...
... aeris cadens super montes altos maneat nix et ...
cadet nix ad valles cadit pluvia Et ea fit quod in una hora ...
montibus ... est nix et in vallibus ... aqua sunt montes ...
quos ...

[illegible]

Et ad tertium dico quod hoc probat duas actiones vel [illegible] ac con[illegible] et
[illegible] Ad quartum dico quod [illegible] hoc dispositiones activas non ac [illegible]
Ad quintum dico quod aqua fit [illegible] [illegible] [illegible] magis et minus in spe[cie]
[illegible] quod aqua [illegible] hic fiunt [illegible] grandines in uno loco et aqua ad [illegible] fiunt
[illegible] grandines in alio loco nec [illegible] [illegible] in [illegible]

Utrum grandines fiant magis in hieme quam in estate et autumpno

Et arguitur quod magis fiant grandines in hieme quia grando est aqua fortiter congelata
fortius autem congelatio fit in hieme quam in vere vel in autumpno [illegible]
grando [illegible] [illegible] medie regionis aeris vel per antiperistasim [illegible]
dicitur primum [illegible] quod aer sit frigidior in hieme quam in vere vel in autumpno et
[illegible] quod magis debeat grandinare in hieme Sed dicitur secundum [illegible] quod magis
grandinat in estate quod est [illegible] quia [illegible] in estate antiperistasis est aer [illegible]
[illegible] [illegible] Contra sit nix et grando [illegible] [illegible] quod [illegible]
[illegible] grandines per congelationem vaporis [illegible] nix magis grandinat in hieme quam in vere vel
in autumpno ergo videtur quod [illegible] debeat et de grandine [illegible]
fiunt [illegible] grandines [illegible] [illegible] per congelationem vaporis vel [illegible]
[illegible] grandinum [illegible] [illegible] in aqua [illegible] congelata vel [illegible] congela-
[illegible] in aqua [illegible] dicitur primum [illegible] [illegible] est in aqua statim
[illegible] aqua descendit [illegible] [illegible] et non [illegible] quod congelatur et [illegible]
non erunt grandines Sed dicitur secundum [illegible] fiat nix et non grando [illegible]
sit quod vapor [illegible] congelatur [illegible] in aqua [illegible] [illegible]
[illegible] quod temporibus [illegible] fiunt in vere et autumpno magis fiunt gran-
dines quam in hieme et [illegible] quam in estate [illegible] primo videtur de
loco [illegible] grandines [illegible] et demum [illegible] grandinum secundo videtur
[illegible] grandinum tertio videtur in quo tempore plures fiunt quarto videtur de [illegible]
[illegible] ibi non fiunt [illegible] [illegible] [illegible] [illegible]
est quod [illegible] una opinio de loco [illegible] [illegible] gran-
dines [illegible] quod solum grandinat in media regione aeris
[illegible] quod grandines fiunt per congelationem et [illegible] fit congelatio et [illegible]
media regione aeris est frigida [illegible] regionis aeris videtur quod solum grandinat ibi
[illegible] opinionem [illegible] [illegible] [illegible] primo sit [illegible]
quod [illegible] [illegible] [illegible] grandines non grandinant
[illegible] grandinet [illegible] [illegible] non est [illegible] solum grandines [illegible] in
media regione aeris et non alibi [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] et sole [illegible] et [illegible]
[illegible] [illegible] quod [illegible] fiunt in [illegible] caderent grandines magne
[illegible] et [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] quod grandines non fiunt grandinando in media regione aeris primo [illegible] in loco
bassiori [illegible] [illegible] nubibus [illegible] [illegible] [illegible]
et [illegible] aeris nubibus [illegible] [illegible] nubes fuisse [illegible] bassia
[illegible] quam in media regione aeris et [illegible] [illegible] caderent grandines

magne [illegible] [illegible] ad [illegible] est signum quod grandines non solum fiunt grandinando in media 521.
regione [illegible] [illegible] in loco bassiori [illegible] fit [illegible] [illegible] grandines 261
[illegible] [illegible] est signum quod [illegible] grandines non [illegible] alto [illegible] caderent
[illegible] in media regione aeris [illegible] non potuissent descendisse [illegible] [illegible]
[illegible] [illegible] [illegible] seu [illegible] fuissent rotunde
[illegible] grandines in alio loco grandinat quam in media regione aeris [illegible] est
[illegible] quod grandines fiunt [illegible] [illegible] [illegible] calido [illegible]
[illegible] radiorum solis [illegible] [illegible] [illegible] in nube [illegible]
antiperistasis [illegible] calido [illegible] et [illegible] frigido [illegible]
[illegible] et [illegible] et vehementer fortificatur quod [illegible] fiunt non solum nubes
[illegible] aqua congelatio et [illegible] congelatio [illegible] aqua descendat et
[illegible] aere calidior [illegible] antiperistasis est aer [illegible] grandines magne
[illegible] non fit rotunde fiunt in tempore calido et in loco [illegible] [illegible]
[illegible] plures grandines fiunt in vere et in autumpno quam in estate [illegible]
[illegible] in estate [illegible] fiunt [illegible] [illegible] et non fit rotunde [illegible] fiunt
[illegible] in autumpno [illegible] [illegible] non in [illegible]
grandines [illegible] sit aer antiperistasis [illegible] calor sit [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] sit [illegible] vapor [illegible] ut [illegible] fiunt [illegible]
calor [illegible] [illegible] [illegible] [illegible] [illegible]
vapor [illegible] [illegible] [illegible] calor elevatus [illegible] vapor [illegible]
[illegible] [illegible] [illegible] [illegible] et [illegible] vapor elevatur [illegible] non [illegible]
[illegible] [illegible] [illegible] elevat vapor [illegible] [illegible] [illegible]
[illegible] [illegible] quod [illegible] vapor [illegible] non [illegible] seu elevatur [illegible]
[illegible] [illegible] [illegible] [illegible] qui [illegible] [illegible] vapor
et [illegible] [illegible] et [illegible] et vapor [illegible] [illegible] et [illegible]
[illegible] [illegible] antiperistasis [illegible] fortificatur et [illegible] [illegible]
[illegible] [illegible] congelatio [illegible] grando [illegible] [illegible] [illegible]
grandines fiunt grandinando in media regione aeris dico quod [illegible] [illegible]
[illegible] vapor elevatus et [illegible] [illegible] [illegible] [illegible] aeris [illegible]
[illegible] aeris [illegible] in aqua et [illegible] et fiunt grandines et [illegible]
[illegible] [illegible] [illegible] [illegible] quod [illegible] vapor [illegible] [illegible]
[illegible] [illegible] aqua [illegible] [illegible] posse congelari quam [illegible] frigida
[illegible] [illegible] [illegible] aqua calida est rarior et [illegible] et [illegible]
[illegible] [illegible] [illegible] [illegible] quod [illegible] vapor non [illegible] [illegible]
[illegible] quod vapor [illegible] [illegible] [illegible] [illegible] [illegible] vaporis
[illegible] sit vapor [illegible] [illegible] grandines [illegible] est quod [illegible] congelatio quam
[illegible] [illegible] et [illegible] [illegible]

Quantum ad articulum 2um dico quod aliqui gradus … et sic videtur … valde altos.
altus aliqui sunt sic angelaci … tunc … alios bassiores Et … sicut etiam … aliqui in aliquibus gradibus … calidus … ad … celestem

Quantum ad articulum tercium dico quod grandines plures … et … antiperistasis sunt
reperitur in yeme … estate … vaporis … in … gradum … aut deficit antiperistasis sufficiens in loco bassiori Et deficit calor potens elevare … gradum usque … aut … antiperistasis sufficiens … et tunc est calor … potens elevare … usque … et … sufficiens antiperistasis …

Quantum ad … dico quod pluvia … et … plura sunt … modica et subtilia …

[illegible]

… et infra sit … gradum … dico … quod aqua … gradum … aqua … congelatur …

Utrum aqua calida applicata frigido congelanti … congeletur quam aqua frigida

[illegible]

intrat in aquam. Sed tamen videndum adhuc quod aque partes calide vel vapores mediate inter partes aque compellantur a frigido aeris circumstantis et tunc aqua partes frigide ipsius aeris circumstantis sentiunt. Et quod hoc sit quaeritur quo fugiat, id est partes calide [illegible] cum invenit frigidum obviantem. Sed adhuc aut [illegible] videndum quod omnes, id est partes [illegible] fugiat ad [illegible] aqua congelate et [illegible] declarat [illegible] vel aqua calida congelanti supposita congelatur in medio cum accipit glacies ebullitionem et eminentiam quod non accipit aqua frigida congelata. Causa autem [illegible] ut dictum est [illegible] ad frigidus sentiunt aquam [illegible] frigus calor advehendo [illegible] aque et ibi [illegible] congelat medium adventum aque et [illegible] aqua residua frigide congelata est. Alii dicunt quod calor accidentalis et calor igneus non sunt eiusdem rationis immo imaginantur quod aque frigide propinquior sit calor accidentalis et aque calide propinquior sit calor igneus immo aqua frigida calefacta calor accidentalis [illegible] et inducitur calor igneus. Similiter imaginantur quod cum aqua calida et aqua frigida fuerint applicata frigido congelanti tunc calor accidentalis propinquior aque frigide [illegible] nec aqua subito congelatur, sed quia aqua calida non est calor accidentalis sed calor igneus qui [illegible] frigido circumstanti ubi sunt maxima [illegible] frigus [illegible] calor et quia calidus est mediocriter resistere cito [illegible] compelli et congregari quia compulsa et congregata [illegible] [illegible] aqua congelatur sed quia calor [illegible] non [illegible] circumstantis frigidi sit calor igneus [illegible] ita modicum resistere sicut calor igneus tardius [illegible] circumstantis compelli vel congregari et quia est propinquior aque frigide [illegible] congelatur aqua frigida tardius congelatur quam si esset aqua calida [illegible] appareat [illegible] quod [illegible] possibile [illegible] supponendo primo quod aqua calida sit rarior quam sit aqua frigida. Secundo suppono quod frigus [illegible] se [illegible] [illegible] [illegible] [illegible] sicut [illegible] his suppositis dico quod quia aqua calida est magis rara quam aqua frigida [illegible] [illegible] [illegible] [illegible] [illegible] aqua calida dilatatur et de eius congelatione [illegible] [illegible] quod non ita leviter et ita cito [illegible] aqua frigida [illegible] quod est magis densa et compacta. Et inde est quod aqua calida citius congelatur quam aqua frigida [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] corporum [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] aqua calida plus resistit [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] Primo dicitur quod aqua frigida plus resistit [illegible] [illegible] [illegible]

[illegible] aqua frigide qui est [illegible] resisteret quam calor igneus propinquior aqua calide [illegible] [illegible] quod [illegible] aqua calida plus resistit congelationi [illegible] aqua frigida [illegible] est [illegible] densa non tamen [illegible] est [illegible] densa [illegible] calida aqua est magis rara et minus densa quia sit aqua frigida [illegible] minus resistit congelanti [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] aqua frigida citius calefiet [illegible] [illegible] aque [illegible] [illegible] [illegible] [illegible] magis [illegible] est [illegible] aqua frigide [illegible] [illegible] [illegible] aqua frigide [illegible] [illegible] [illegible] non sit ita leviter se dilatare et [illegible] [illegible] [illegible] [illegible] [illegible] sit se dilatare et [illegible] [illegible] [illegible] calida. Et ideo [illegible] aqua calida citius congelatur [illegible] [illegible] [illegible] non tamen aqua frigida citius calefit quam aqua calida [illegible] [illegible] [illegible] [illegible] [illegible] quod [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] non est [illegible] quod aqua calida citius congelatur quam aqua frigida [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] dico quod [illegible] [illegible] [illegible] [illegible] aqua calida calefacere [illegible] non tamen [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] se dilatarunt [illegible] [illegible] aque [illegible] [illegible] [illegible] et [illegible] introducitur et [illegible] congelatur [illegible] quam sit aqua [illegible] frigida [illegible] [illegible] dictas in questione etc.

Utrum rubedo matutina sit signum future pluvie. Et arguitur

quod non: rubedo vespertina non est signum future pluvie sed magis serenitatis ergo [illegible] videtur quod sic debeat [illegible] de rubedine matutina [illegible] non sit [illegible] sic rubedine vespertina quod sit signum serenitatis [illegible] rubedo matutina [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] vel [illegible] vel sole [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] pluvia [illegible] [illegible] [illegible] non est [illegible] quod [illegible] [illegible] videtur [illegible] apparet rubedo sit [illegible] [illegible] [illegible] apparet rubedo [illegible] quandoque apparet [illegible] [illegible] sole est signum [illegible] sole et [illegible] est [illegible] [illegible] et [illegible] [illegible] sic color rubeus circa lunam non est signum pluvie [illegible] color rubeus circa solem [illegible] videtur quod [illegible] sol [illegible] videtur rubeus non sit signum pluvie [illegible] [illegible] [illegible] quod [illegible] quod luna pallida pluit rubea [illegible] [illegible] rubedo circa lunam non sit pluvia sed magis [illegible] [illegible] [illegible] rubedo matutina pluviam [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] pluvia [illegible] [illegible] [illegible] [illegible] non [illegible] [illegible] quod fiat pluvia [illegible] [illegible] sol [illegible] et tunc non erit pluvia [illegible] [illegible] [illegible] apparet rubedo [illegible] [illegible] non erit pluvia ubi sol [illegible] vespertina [illegible] Oppositum voluit [illegible] [illegible] quod rubedo [illegible] [illegible] [illegible] [illegible] [illegible] rubedo autem matutina [illegible] pluviam [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

Quedam est desiccatio et dissumptio aliquibus signis pluvie. Quinto ad[dubitationem] dico quod quedam sunt signa aquarum que sunt causae eorum et effectus sicut aliquae quantitates constellationis sunt signa pluvie future vel etiam alicuius effectus. Talia et sunt signa aquarum quae sunt causae eorum sed sicut effectus sicut fumus est signum ignis. Unde ubi est fumus signum est quod ibi est ignis et fumus est ab igne sicut effectus. Talia autem sunt signa aquarum ut [illegible] effectus eorum ut ea dependent ad invicem sicut solet evenire [illegible] adhuc quedam sunt signa preteriti quedam presentis quedam futuri et quedam sunt signa preteriti vel futuri longe vel prope [illegible]

[illegible]

[illegible]

Quinto ad [illegible] dico [illegible] quod rubedo [illegible]

[illegible]

Stelle sunt vise et plures distantes ab invicem quam solet esse signum pluvie
et non statim sed primo post tres vel 4or dies. Et huius ratio est quia quando
stelle sunt vise [illegible] in celo et multe distantes tunc est signum quod in
media regione aeris sunt vapores interpositi per quos videntur tales stelle
que sunt ita tales apparentes et quia vapores [illegible] et convenienter disponuntur
ad pluviam futuram. De aliis autem signis pluvie videbitur in questione sequente.
Ad rationes ad primum dico quod non est idem de rubedine matutina et serotina. Et
causa dicta est in questione. Ad 2am dico quod cum sol de mane apparet nobis rubeus
hoc [illegible] est quod non solum vapores aquei sunt inter nos et solem quia tunc sol
appareret nobis pallidus sed cum istis vaporibus aqueis sunt quedam exalationes
terrestres que faciunt nobis solem apparere rubeum et quia non solum sunt ille
sed cum eis sunt vapores aquei ideo ex rubedine [illegible] exalationum
terrestrium non potest argui serenitas futura quia plures sunt ibi vapores
aquei ex quibus erit pluvia. Ad 3am dico quod rubedo apparens circa
lunam est quia plus rubedini serotine apparentis in aliis partibus celi. Et sic
rubedo serotina non est signum future pluvie etc. ut rubedo que apparet circa
lunam. Ad 4tam dico concedendo quod in serotina non sunt [illegible] quin aliquando possit
impediri sed hoc fit valde raro et [illegible]

Sextodecimo queritur utrum caligo sit
signum future pluvie. Et arguitur quod
sic quia caligo exalationem [illegible]
vaporum causatur vapores aut elevati sunt ita pluvie. Oppositum videtur velle
Aristoteles qui dicit caligo est velut nebula sterilis. [illegible] questio prima
videtur adhuc declaranda signa pluvie future que sunt in regione ele-
mentali. 2o videtur est declaranda alia signa que sunt in aliis rebus sicut in
animalibus vel lapidibus vel in plantis vel in calibe et consimilibus.

Quantum ad primum sciendum est quod nebula vel nubes
rara quedam est precedens et non subsequens pluviam
quedam vero est subsequens pluviam et tunc de nebula non subsequente pluviam
dicendum est quod cum talis apparet signum est future pluvie maxime si ascendit
et non descendit. Et huius ratio est quia tunc est signum quod materia pluvie magis
augetur et elevatur sursum. Sed nebula subsequens pluviam est signum serenitatis
vel parva causa pluvie aliquando vel quia est magis rara et magis levis magis
sursum et [illegible] fit nebula et [illegible] apparet post pluviam tunc est signum
quod materia pluvie cecidit et quod non amplius elevetur et [illegible] vapores que
sunt cause pluvie future ut amplius fit [illegible] elevati vapores in
nube et magna. Sed ubi est de caligine quando apparet ante pluviam
et non descendit per guttulas [illegible] sed magis ascendit est signum pluvie sed
cum descendit per guttulas [illegible] est signum serenitatis et causa ratio est sicut
in nebula. Circa 2m apparet adhuc ad quintum et ad aliud secundum signum
pluvie est quod cum sol est in ortu et super ipsum apparent nubes grosse et magne
tunc si sol statim absconditur sub tali nube est signum pluvie future. Si autem
sol non absconditur statim sub tali nube tunc non est signum pluvie. Et causa primi
est quia cum sol absconditur sub tali nube signum est quod non obtinet victoriam
ad dissolvendum et ad consumendum ipsam et in nube fit pluvia. Causa autem secundi
quia cum sol non absconditur sub tali nube signum est quod obtinet victoriam super tali
nube ad dissolvendum et ad consumendum ipsam et nube consumpta et dissoluta

non fit pluvia. Secundum signum pluvie est si quando multi venti et magni cum
ventus [illegible] impediunt solem non tunc venti congregant vapores in uno loco
quibus congregatis fit pluvia. Secundum signum pluvie est desiccatio ventorum tempore debito
cum non veniunt tempore debito signum est quod vapores et que est materia ventorum elevantur
sursum et fiunt nubes et fit pluvia. Et [illegible] cum non veniunt tempore debito
est signum quod calor est fortis et multos consumit vapores ventorum quia
cum tali fortitudine elevantur vapores multi et grossi quorum
consumuntur et fiunt nubes et fit pluvia. Secundum signum pluvie quando
sol est in occasu et super ipsum apparent nubes longe magne et
spisse tunc [illegible] denotant propter absentiam solis et defectum caloris non posse
consumi nec dissipari et fit pluvia. Secundum signum pluvie est ut dicunt
[illegible] apparens [illegible] cum fiat pluvia futura si non fiat magna
[illegible] excedit [illegible] et magnum diluvium
[illegible] dicunt cum [illegible] quod sol sit [illegible] nec [illegible] isto modo fuerit
[illegible] diluvium et quod iris apparente adhuc [illegible] durabit
[illegible] apparens ideo [illegible] non fiat pluvia magna. Et [illegible]
[illegible] quod sole iride apparente tunc fiat pluvia statim sed
cum [illegible] [illegible] fiat pluvia statim precita.

Quantum ad 2m quod [illegible] signum est pluvie
future quod cum pulices plus elevantur quam
[illegible] tunc fiat pluvia futura [illegible] fit fortis elevatio va-
porum grossorum et multorum qui sunt materia pluvie. Secundum signum est quando
[illegible] plus movent quam aliis diebus est signum pluvie. [illegible]
[illegible] dictum est. Secundum signum future pluvie est quando lapides appa-
rent [illegible] sudantes [illegible] et [illegible] cum est signum
[illegible] aque guttule [illegible] et lapides [illegible]
et dissolvuntur [illegible] et quod materia pluvie [illegible] sursum est [illegible]
[illegible] ad pluviam statim sequentibus. Secundum signum pluvie est [illegible]
[illegible] et grosse [illegible] sunt pluvie [illegible] calor forte potest elevare vapores
diminuta [illegible] et [illegible]. Secundum signum pluvie est magna
elevatio multorum vaporum [illegible] et [illegible] est signum quod sit
[illegible] vapores elevati sunt ita future pluvie [illegible] diminuuntur que
agitatio et timor [illegible] tunc. Secundum signum future pluvie
tempestatis. Et [illegible] quod in [illegible] tunc sunt pluvie magne et
future pluvie est quando [illegible] olei in lampade [illegible]. Secundum signum pluvie
est quando calibs [illegible] [illegible] Secundum signum
[illegible] [illegible] sit signa pluvie future quando apparet nigra
[illegible] volando [illegible] Secundum signum est quando cornices [illegible]
[illegible] est signum future pluvie [illegible] clamat
[illegible] [illegible] sunt signa [illegible] aves
[illegible] [illegible] Secundum signum est quando [illegible]

z pulice, tempus morez ... sicut e qui pomi ... z ... fellat ... z demittit aliis nisi vellet ... difficiliter ... possent valde vacos ... cum ... q soluta e i quoc ...

Et ... aqua naturaliter ascendit ad ... fontium ... motu alio ... naturali ad locum sibi naturalem ... naturaliter ... aqua ascendit ... ad ... fontium ... loca sibi naturalia ... locus naturalis aque ... terra ... aqua ... locus naturalis ...

[illegible]

[illegible]

Ad secundum sciunt ad augmentacionem fluviorum. Ad rationes ad primam dicitur
de uno modo naturaliter dico quod quando est densum [illegible] aque eam ubi est in
terra in medio mundi ex quo locus naturalis eius quando est in medio mundi
sed quia terra est gravior aqua non naturale aque quod sit intra terram sed plus naturale quod
sit super terram ad minus secundum quia naturaliter sunt super magis secundum quia et ideo dico quod
in pluribus ut nunc aqua ascendit naturaliter super terram et naturaliter est superior
sed tunc locus eius est alterius. Ad aliam ad aliud et ad alteram dicitur solum. Certum
[illegible] sit [illegible] quod possibile est aquam ascendere [illegible] non [illegible] quod ea non
est aqua pura neque simpliciter neque qualificatione sed est in via generacionis ad
aliud elementum sic [illegible] sicut [illegible] fontium [illegible]
[illegible] alium quam sit fontibus [illegible]. Utrum aque fontium generantur
intra terram. Et arguitur primo quod non quia
fontium sunt ex aqua pluviali
ergo [illegible] quia [illegible] quod [illegible] sunt pluvie multe et magne sunt [illegible]
[illegible] aque fontium sunt [illegible] pluvie sunt pauce sicut [illegible]
[illegible] aque fontium sunt [illegible] sic terra densa sua est [illegible]
[illegible] densa sua est [illegible] ergo non [illegible] quod aqua fontium generatur in terra [illegible]
terra et aqua generantur [illegible] sic terra non generatur in loco aque ergo
nec [illegible] aque fontium non generantur in terra. Certum sic [illegible] fluviorum
fontium [illegible] ergo [illegible] et [illegible] fluviorum
[illegible] quod [illegible] modum [illegible] anno [illegible]
[illegible] fontes qui sunt principia fluviorum. Quarto sic [illegible]
vaporem intra [illegible] non quod desiccat ibi elementum. Oppositum vult [illegible]
[illegible] primo sunt [illegible] opinionibus [illegible]
[illegible] est de [illegible] non generantur fontium [illegible] quod aqua generatur in terra
[illegible] aliam. Quarto [illegible] est [illegible] quod [illegible] una opinio [illegible]
sunt in terra aqua susceptacula aquarum
pluvialium et [illegible] opinio posuit in terra non
[illegible] generacionem aque sed [illegible] aqua absorbetur in terra [illegible]
[illegible] susceptaculis et cavernis terre aquarum susceptaculis
[illegible] affluunt fluvios et [illegible] susceptaculum [illegible] possunt
[illegible] de aqua quantum possunt ab eo effluere donec [illegible]
[illegible] aqua et [illegible] fluvii qui non [illegible]
[illegible] anno fluunt [illegible] susceptaculum non [illegible]
non possunt [illegible] fluvii fluunt [illegible] Et [illegible]
[illegible] quod [illegible] ab eo susceptaculo [illegible]
pluvias [illegible] susceptacula aquarum non posuerunt [illegible]
[illegible] intra sed [illegible] quod [illegible] effluunt fluvii [illegible]
opinio non [illegible] apparet [illegible]
aqua quod [illegible] tota [illegible] est [illegible] maior quam tota [illegible]
ergo non [illegible] dici quod tota [illegible] fuisset [illegible]
[illegible] non solum [illegible] fuit [illegible] super [illegible] fluvios
[illegible] fluvii [illegible] non [illegible] oportet dicere quod [illegible]
ascendit [illegible] quam [illegible] sic [illegible] est [illegible] ad [illegible]
[illegible] sic non dicit [illegible] [illegible] aquarum pluvialium

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halo [illegible] apparet circulus interruptus et hoc propter defectum vaporis [illegible]
[illegible] vapor circa [illegible] densus [illegible] reflecti lumen astri [illegible]
astrum [illegible] non reflecti ad nos [illegible] quod halo appareret
in circulus interruptus [illegible] ad [illegible] Et [illegible] ad [illegible]
[illegible] fuit posita [illegible]
[illegible] ad dicebatur [illegible] astri [illegible]
[illegible] astri [illegible] vaporis [illegible] non in loco in quo
apparet halo sed in loco in quo apparet astrum Et inde est [illegible]
apparet [illegible] sed in loco ubi apparet halo fit re-
flexio luminis [illegible] radius reflectatur non [illegible]
est ad radius [illegible] ad [illegible] fit ad angulum
acutum [illegible] est [illegible] ad radius [illegible] obliquus et reflectitur ad
angulum obtusum tunc [illegible] venire ad oculum Et [illegible]
est quod [illegible] reflecti [illegible] non [illegible] quod reflectitur [illegible]
est [illegible] visibile et visus [illegible] non posset [illegible] fieret ad angulum
acutum [illegible] ad angulum rectum [illegible] Et tunc [illegible]
Utrum halo debeat ap-
parere secundum circulum per-
fectum [illegible] circumferenciam. Et arguitur primo quod non quia circumferencia est linea
[illegible] latitudine et profunditate sed halo habet latitudinem et profunditatem ergo non apparet
[illegible] perfectam [illegible] luna non posset apparere
ubi [illegible] per [illegible] circumferencie [illegible] Euclides
[illegible] quod circumferencia est [illegible] circuli [illegible]
halo [illegible] apparet [illegible] tortuosum [illegible] secundum [illegible]
circumferencie [illegible] quod appareat secundum circumferenciam circuli [illegible]
[illegible] circumferencia [illegible] non est tortuosa [illegible] quod [illegible]
halo [illegible] est tortuosa circumferencia [illegible] et non est circumferencia
rotunda [illegible] non fit secundum circumferenciam [illegible] ergo [illegible] halo
[illegible] Certum sic [illegible]
[illegible] quod fieret [illegible] speculo [illegible]
[illegible] sit [illegible] semisphera [illegible]
[illegible] rotunditas
[illegible] oblongus et non rotundus. Quarto sic [illegible] ad nos reflectitur
non fit secundum [illegible] vaporis [illegible] ergo halo
[illegible] circumferentia circuli [illegible]
[illegible] halo fiat secundum circumferenciam
vaporis [illegible] magis obliqui [illegible] magis obliqui
[illegible] angulum [illegible] angulus reflexionis [illegible]

et per eius angulus incidencie et angulus refraccionis sit equalis. Secundo
halo aliquando apparet secundum porcionem semicirculi solum et non secundum cir-
cumferenciam et perfeccionem circuli quia tamen autem patet. Tercio ad secundum cir-
culum est aristoteles volens quod halo fiat secundum circulum vel circuli
perfeccionem nam dicit de specie halonis dicatur quare sit circulus et
perspectiva dicit circulus et cetera descriptus et item dicit super refraccione visus
vero est circulus et cetera vel circuli parte quibus autoribus apparet in ter-
cia questione primo videbitur unus modus probabilis quo aliqui inten-
demonstrare quod halo debeat apparere secundum circulum secundo videbitur
alius modus probabilis de eodem. Quantum ad primum aliqui premittunt supposi-
Et est prima suppositio diffinicio circuli
videlicet circulus est superficies
plana unica linea contenta que circumferencia vocatur in cuius medio
est punctus a quo omnes linee ad circumferenciam ducte sunt equales et
iste punctus dicitur centrum circuli quam quidem diffinicionem ponit euclides
Secundo supponunt quod si ab aliquo puncto signato intra circulum plures
quam due linee recte ad circumferenciam ducte adinvicem fuerint
equales iste punctus est centrum circuli et hec suppositio est nona tercii eu-
clidis Tercio ipsi supponunt quod in generacione halonis vapor
vapor grossus inter visum nostrum et astrum [illegible] patet. Quarto [illegible]
[illegible] et [illegible] vaporum sit [illegible]
quod radius procedens ab astro super vaporem penetrat usque
ad visum nostrum non refractus [illegible] premissis [illegible]
suppositio quod dum refleccionem et refraccionem angulus incidencie angulo
reflexionis est equalis et [illegible] et dicitur [illegible] diversis
[illegible] vitellione [illegible] sit enim quod in
omni reflexione angulus reflexionis qualiscumque speculi est angulo
incidencie equalis [illegible] patet quod [illegible] equalitas [illegible] reflexionum
non [illegible] et dicitur [illegible] quod [illegible] sit mediam de angulis reflexionis
et refraccionis tamen puto quod [illegible] media [illegible] Secundo [illegible]
te ordinat tabulas ad ostendendum diversitatem angulorum refraccionis
secundum diversitatem densitatis ipsorum mediorum in quibus sit refraccio [illegible]
[illegible] ubi medium sit radiorum obliquum medium [illegible] omnino
equalitas angulorum incidencie tamen [illegible] super medium densi-
magis [illegible] ad [illegible] faciendo [illegible] angulum refraccionis [illegible]
[illegible] quam [illegible] secundo premittitur quod [illegible] radii [illegible]
[illegible] ab astro [illegible] medio [illegible] visu nostri qui reflectuntur
ad angulos equales et dicitur [illegible]
angulus incidencie et angulus refleccionis [illegible] equales [illegible]

Et supponunt visu loquentes de angulo refleccionis [illegible] speculi quod
[illegible] plurium speculorum possit contingere quod ad eundem visum reflectantur
radii quod valde [illegible] equales anguli reflexionis super specula [illegible] et
non possit probari [illegible] sic supponunt [illegible] possit probari [illegible]
reflexionis et angulus incidencie [illegible] diversis [illegible] ponunt [illegible] et
cetera quod visus [illegible] non vadit vaporis Et halo
apparebit secundum circulum [illegible] probat [illegible]
[illegible] Tercio [illegible] sit [illegible] a sit visus [illegible]
sit astrum [illegible] centrum vaporis [illegible] d sit vapor [illegible] sit [illegible]
[illegible] supponitur [illegible] angulus radiorum qui [illegible] in
radii [illegible] equales visus qui [illegible] ad angulos equales [illegible]
equales ergo b a [illegible] angulus b d a [illegible] a refrangitur ad angulos
equales [illegible] supponit b a [illegible] non refractus [illegible]
[illegible] angulus [illegible] medium [illegible] refraccionis [illegible]
linea a b [illegible] equales quod duo latera unius sunt equalia
duobus lateribus alterius et anguli equalibus lateribus contenti sunt equales
[illegible] non probat ergo [illegible] primi euclidis basis unius est
basis alterius [illegible] angulus unius est equalis angulo alterius et totus
triangulus toti triangulo est equalis [illegible] sit unus tamen ipsi
equales probat [illegible] ergo triangulus [illegible]
[illegible] triangulis [illegible] radiis [illegible]
[illegible] quod latera duo unius sunt equalia duobus lateribus
alterius [illegible] que utrique triangulo que sunt
[illegible] lateribus [illegible] ergo [illegible] primi euclidis bases
[illegible] equales [illegible] non probat [illegible]
[illegible] angulus a unius trianguli angulo a alterius est equalis
[illegible] ergo [illegible] primi euclidis ergo [illegible] infert
[illegible] superficies [illegible] circulus [illegible] circuli et punctus est
centrum quod ab ipso omnes linee [illegible] ad circumferenciam sunt equales
[illegible] quod infert [illegible] non [illegible] debet
probare quod angulus a unius est equalis angulo a alterius [illegible]
[illegible] ipsi duo trianguli sunt equales ergo anguli sunt equales
ipsi trianguli sunt equales anguli [illegible] equalibus
nec [illegible] sunt equales ergo basis unius est equalis basi alterius
[illegible] angulus [illegible] lateribus [illegible] unius est equalis angulo
[illegible] lateribus alterius [illegible] quod [illegible] patet dese-
[illegible] aliquid [illegible] demonstrare quod halo fiat secundum circuli
perfeccionem Et arguunt sic halo fit per refraccionem ergo fit secundum
circuli perfeccionem [illegible] quod refraccio fiat undique ad angulos

equales et equalis semper apparent eque distante ab astro Et in
hac ratione supponitur quod halo fiat per fractionem sicut fit refractio
in speculis sed id improbatum est superius in una questione quod halo sit per
reflexionem et non per fractionem sed dato quod fiet per fractionem adhuc non
oportet ut sequitur quod ideo fiet circularis quia unum et idem visibile per diversa
specula potest videri sicut patet in quinta propositione libri de speculis Euclidis
et idem potest videri semper diversis angulis in circulis mathematicis et visio
non fit per adpropinquationem speculis ideo visum aliter videtur processisse
circulis adprobationem eandem quare quod supponitur primo quod vapor interpositus inter
astrum et visum tempore apparitionis halonis et hoc patet experientia secundo supponitur
quod radii refranguntur a caligine consistente circa astrum in vapore
interposito et tempore hoc apparet halo inter visum et astrum et non est
oppositio sit tribus Et ita supponitur inter adpositum circulis modo
quo superius dictum est in precedenti questione Notandum est quod oportet quod radii vi-
suales vel lucidi ab eodem puncto astri procedentes super vaporem
non procedentes sed equaliter elongatis appareant radio eiusdem puncti
illi refranguntur in vapore interposito sic quod non semper lineam rectam
procedunt ultra vaporem sicut incidunt sed ad illa linea faciunt
angulum sed ad lineam vel radio incidente Et loquitur circulis
de radiis oblique incidentibus et iste suppositio sic intellectui
videtur quod puncta vaporis super quibus radii incidunt sunt equaliter elon-
gata vel equaliter distant a puncto astri radiantis et ad hoc equaliter
distant a centro oculi videtur quod oportet quia aliter non apparet halo tamquam
corona circularis [illegible] conspicua sed apparebit halo tamquam circulus
obliquus vel sicut linea recta quia corona sit puncta fractionis
plus ab oculo distant quam ab aliis [illegible] possunt videri quod perspicua
fiet linea recta sicut patet per 22 conclusionem libri de as-
pectibus qui dicit sic si in eodem plano ubi est locus oculi ponatur
periferia ipsa periferia linea recta apparet Tertio supponitur circulis
quod radiorum refractio fiet undique simile vapor et undique aut
similis reflectitur [illegible] patet id [illegible] addatur
sint in 2a suppositione sed si ita puncta non equaliter distarent tunc non possent
fieri refractiones equales radiorum undique neque consimiles quia maior angulus
fieret corona sit quam [illegible] Quarto supponitur tertia suppositio primi
Euclidis que est quorumlibet duorum triangulorum quorum duo latera unius duobus
lateribus alterius equalia sunt [illegible] quod angulus unius equalis lateribus
contenti equales sint quia basis unius basi alterius equalis equalibus
latera sic respicientia erunt equalia et reliqui anguli unius
angulis alterius equales erunt et totus triangulus toti triangulo erit equalis
[illegible] suppositio radius [illegible] non refrangitur sed [illegible] in fractione
et [illegible] sub [illegible] sit omnes recti anguli sibi invicem equales

equales et ita est 4a suppositio primi Euclidis Tunc sit [illegible] quod appareat
halo si non fuerit impedimentum tunc apparebit semper periferiam circuli in
[illegible] ... apparet aliquando halo semper portionem perfecte vel
[illegible] semicirculi quandoque semper maior et quandoque semper minor et quandoque semper
equale et quandoque semper linea tortuosa [illegible] periferia circuli portio est
[illegible] ... quo adprobando [illegible] posito [illegible]
[illegible] et sic [illegible] sit b g a unus triangulus cuius duo latera b a et
b g sint equalia duobus lateribus b d et b a trianguli b d a quorum
[illegible] quia b g est equale b d quia b equaliter distat a g sicut a d Et
[illegible] est de triangulo a z b quia latus b a [illegible] sit quod illis omnibus tri-
angulis est equale omnibus lateribus et b z est equale b d quia ideo in tria latera
[illegible] g a et d a et z a sint sibi invicem equalia [illegible] supponitur
quod equaliter distant a [illegible] puncto refractionis [illegible] angulus b [illegible]
triangulorum angulo b [illegible] alterius est equalis [illegible] quia patet per [illegible]
primi Euclidis Et sic erit de aliis angulis et toti triangulo totus
triangulus erit equalis equo basis sunt equales et anguli equales la-
teribus contenti sunt equales ideo toti triangulo sunt equales et reliqui anguli
reliquis angulis sunt equales [illegible] ideo unus triangulus b g a
et unus alius [illegible] b z a et triangulus b d a isti sunt equales et equales anguli
ut probatum est ideo angulus g est equalis angulo d et similiter est equalis angulo
z [illegible] a puncto g [illegible] que sit g b et super a d [illegible]
que sit d e et a puncto z [illegible] que sit z e [illegible] circulis [illegible] non
[illegible] tunc [illegible] est unus triangulus g e a cuius duo latera
e a et g a sunt equalia duobus lateribus e a et z a trianguli e a z
ideo angulus a unius est equalis angulo alterius ut probatum est ideo per
[illegible] basis g e basi z e est equalis Et sic similiter [illegible]
quod e d sit equalis e g et ideo quia a puncto e exeunt tres linee vel
plures quam due recte equales ad circumferentiam [illegible] e est centrum circuli et quod
d g z est circumferentia circuli per nonam [illegible] Euclidis et hoc est propositum
[illegible] et intentum [illegible] probando [illegible] quia [illegible]
[illegible] vaporum vel [illegible] in equali [illegible] vel situatione vel
[illegible] equale [illegible] vel distantia partium vaporis apparet quandoque halo
[illegible] semper periferiam perfectam sed [illegible] latera confundit magis apparent
in [illegible] vana [illegible] quam semper aliud et quandoque [illegible]
halonis [illegible] tamen sepe contingit circa [illegible] vel circa [illegible]
[illegible] patet [illegible] probatur [illegible] quod
halo sit [illegible] lunaris [illegible] admisso [illegible] et
[illegible] vide duos halones quia alii radii reflexi
duo oculi ad oculum unum et alii ad oculum alterum [illegible] quod si
centro ubi intersecantur sed non obstante et [illegible] utrique
oculorum videt halonem distinctum ab alio et quia duo intersecantes sed

[illegible]

i ac virtutum non adiecto sit effectui absoluto tamen effectu
[illegible] ut patet per Vitellionem in decimo perspective hoc quod
questione nona et in quinto eius prohemio ubi allegat etiam historiam
[illegible] et allegat narrat de quodam [illegible]
et de nocte equitaret tunc eum sic videret aliud unum [illegible]
[illegible] opera [illegible] Vitellio in tractatu
suo decimo demonum de quodam qui reputavit ea effectum
esse demonum [illegible] dominus suus et fratre suo Lodomero et aliis
historiam [illegible] narrat ibidem quod audivit in Polonia quod demones
[illegible] miles [illegible]
[illegible] venando lupos [illegible] silvam et villa

[illegible]

reflectio lucis vel luminosi. Ideo sic si non hic maxime videtur id quod diaffonitatibus et perspicuitatibus aeris hic impeditur ... quare eadem ratione aqua non videtur ymago ... [illegible]

magis et ... observatis non videtur ymagines nisi valde debiles ... marmoria ... perspicua ... nil videtur nisi valde debiles ... [illegible]

... propositas antiquas veteris ... [illegible]

Contra si oculus non sit limpidus etiam quod quidem qui iam deficiunt quod adhuc
reflexionem refringitur puta superficies densa aeris et tamen corpus quod est
deficit reflexio quia tamen qui deficiunt iam deficit et confirmatur exemplo quia quod
si oculus est limpidus quod radius visualis oculi possit in medio
perscrutari licet non sit fortia oculi et ipse sicut catti vel lupi habentes oculos
limpidos possunt videre in medio licet sint obscura propter reflexionem absque
oculis sicut sit non est de coloribus et quibusdam aliis animalibus non habentibus
oculos limpidos et ideo semper et ad candela ut aquila possunt propter pluralitatem
ymaginis in medio constitute secundum figuram et colorem sicut in medio aere tamen
non latet ideo. Advertendum secundo ad auctoritatem dicit enim dans auctoritatem
quod dicit sicut est abaci [illegible] dicit quod anfractus dicit differentiae quibus
fit abaci non condensato quod radius obiectus radios veniat de medio
densiori adversus vel diversiori addensatis sed qui tunc anfractus videntur
magis differentiae quam differentiae ad [illegible] de [illegible] quod videbatur
pervenire ambulare dicit quod [illegible] anfractus sunt fabulas ipsius quod sibi
quod [illegible] et quod [illegible] capitulo et [illegible] alii dicunt quod anfractus [illegible]
secundum opiniones antiquorum volentium visum fieri extramittendo radium
ab oculis et tamen [illegible] anfractus et medius [illegible]
et [illegible] quod radii visuales exeunt ab oculis [illegible]
absque adiutorio quod videre ipsum oculum licet tamen magis [illegible]
in sua [illegible] non nisi [illegible] oculi sic [illegible]
species rei visae in medio sicut tamen hoc non videtur vim saltem de oculis non
limpidis quod oculus existens in tenebris ubi non sunt species possit videre
non limpidos [illegible] per stellam celi ad [illegible] oculus est [illegible]
[illegible] quod videre non posset si esset [illegible] ubi species oculi [illegible]
ad speciem ipsius stellae et ideo hoc non videtur valere. Et si dicatur quod
ego [illegible] sic dicit quod [illegible] videret quia [illegible] quod non sit [illegible]
esse nisi sic fuisset vel saltem apparuisset sibi sic fuisse dicendum
quod verum sit et ut puta quod iste [illegible] et [illegible] forte ymaginationem
quam habuit super illo quod videret ymaginem suam ante se sibi appa-
ruit sicut in sompnis apparet quibusdam quod aliquid videant licet tamen non
videant sicut etiam accidit vigilantibus freneticis et aliis [illegible]
amore [illegible] quod fortiter ymaginantur de amica sua et credunt
se videre eam quam tamen non videt et multis aliis melancolicis [illegible]
[illegible] accidit [illegible] ipse [illegible] melancolicus et [illegible]
[illegible] apparet si [illegible]
[illegible]
a quiete sed [illegible] vel aqua ad tunc [illegible] apparuit

nobis ambulantes movendo ipse Antipheron sic motus sicut etiam apparet
ipsi quod [illegible] oculis antiferentis vel [illegible]
[illegible] quod potuit sibi apparere ymago quae ambulabat. Et [illegible]
[illegible] quam [illegible] melancolicus seu in [illegible]
[illegible] et non ymaginari de [illegible] sicut [illegible] in
[illegible] suo de [illegible] demonum dicit. Adhuc etiam alii aliter dicunt
sic quod iste [illegible] ipsius antiferentis aqui vapores [illegible]
oculis eius condensatis aerem et etiam planatis sic quod ymaginem suam sic
poterat videre super illum aerem condensatum sed hoc non videtur valere
quod tot [illegible] de [illegible] ipsius qui ambulat [illegible]
quod repleretur totus [illegible] quod iste [illegible]
[illegible] ita [illegible] vapores quod sibi sua ymago non apparuisset
Ad aliud autem [illegible]
[illegible] apparet [illegible] quod videat ymaginem
suam [illegible] non sit ymago apparet [illegible]
[illegible] loquendi quod [illegible] visus
debilitatem [illegible] sic quod non sit penetrare aerem [illegible]
densitatem aeris [illegible] libro [illegible] ubi dicit
[illegible] applicare radius ab oculis [illegible]
[illegible] dicit de quodam [illegible] quod ambulasset [illegible] quod
[illegible] fuit [illegible] ymaginem vel timide [illegible] videre
[illegible] pollicet aerem et [illegible] in tenebris ymago [illegible]
reflecti et non [illegible] pollicito vel [illegible] fiet [illegible]
[illegible] sit timuit [illegible] fuit [illegible] aquas et non [illegible] fuit in
[illegible] dicit [illegible] denso [illegible] non [illegible]
densato sit [illegible] quibus. Ad aliud quod dicit [illegible] de [illegible] apparebit
candelas [illegible] dico quod [illegible] quod [illegible] candela
sic reflecti [illegible] condensato vel quod [illegible] tamen non apparet ibi
[illegible] tamen oportet si videre faciens. Ad aliud quod dicit [illegible]
demonum [illegible] quod ut ibi apparet aut sicut [illegible]
[illegible] loquendi [illegible] opinionem [illegible] quod visus fiat extramittendo [illegible]
[illegible] multum et de [illegible] alto ut arbores [illegible] quod
si ita fierent [illegible] tamen accidebat non [illegible] radiorum [illegible] magis
[illegible] videt arbores [illegible] et [illegible] magis [illegible]
[illegible] videt [illegible] oculis [illegible] non potuit [illegible] et
[illegible] obscuritate [illegible] videre [illegible]
[illegible] sicut [illegible] et [illegible]
[illegible] reflectere sicut etiam sole et luna [illegible]
[illegible] videri non [illegible]
[illegible] potuit [illegible] apparere [illegible] et [illegible]
[illegible] radiorum vel reflexionem sed [illegible] magis [illegible]

… recipit [illegible] deinde tunc apparuit [illegible]
[illegible] materia sunt multa quecumque [illegible]
[illegible] et [illegible] ut [illegible] Et qui [illegible]
[illegible]
[illegible] Deinde [illegible]
[illegible] imago rei reflecti [illegible]
[illegible] superficiei aeris [illegible]
[illegible] superficiei [illegible]
[illegible] reflectere [illegible]
[illegible] superficiei [illegible]
[illegible] superficiei aeris [illegible] reflectat
[illegible]
corpora colorata [illegible] videtur [illegible]
[illegible] reflexio [illegible]
[illegible] color [illegible]
[illegible]
[illegible] aeris [illegible]
[illegible]
[illegible]
[illegible] aeris [illegible]
[illegible] videtur [illegible]

[illegible] colores iridis [illegible] sunt colores [illegible]

[illegible] rei [illegible] apparent [illegible] colores
[illegible] colores iridis
sunt [illegible] colores [illegible]
[illegible] colores [illegible] apparent
[illegible] colores [illegible]
[illegible] colores [illegible]
[illegible] color sit color [illegible]
[illegible] colores [illegible]
[illegible]
[illegible] color [illegible]
[illegible] color [illegible]
qui ibi apparent sunt [illegible] color [illegible]
[illegible]
[illegible] iridis apparent colores [illegible]
[illegible] apparet iris [illegible]
[illegible] colores [illegible] apparet iris [illegible] videtur

[illegible] sunt colores [illegible] color [illegible]
[illegible] colores [illegible] rei [illegible]
[illegible] colores debent apparere [illegible]
[illegible]
[illegible] coloribus [illegible] corporibus [illegible]
[illegible] apparet [illegible] iris [illegible] apparet [illegible]
[illegible] non est verus color [illegible] coloribus iridis
[illegible] colores non [illegible] sunt [illegible]
[illegible] resultat [illegible]
[illegible] apparent colores iridis [illegible] reflexione [illegible]
[illegible] non resultat [illegible] colores [illegible] ad
[illegible]
[illegible] videre [illegible] fiat [illegible] apparentie iridis
apparet [illegible] sunt ibi colores [illegible]

[illegible] sunt [illegible] visibilium [illegible]

[illegible] lux et color [illegible]
[illegible] color [illegible] videtur [illegible]
[illegible] color videtur [illegible] videtur
[illegible] non videtur color [illegible] color [illegible] videtur [illegible]
[illegible] videtur color [illegible]
[illegible] colores [illegible] reflecta [illegible]
[illegible] reflexione [illegible] videre color
[illegible] videtur [illegible] video colores
[illegible] video lucem [illegible] reflexione [illegible]
[illegible] cristallis et glacie [illegible] apparent [illegible]
[illegible] apparent [illegible]
[illegible] apparet [illegible]
[illegible] colorata [illegible] apparet [illegible]
[illegible] et [illegible] reflexione [illegible]
[illegible] apparet [illegible] reflexione [illegible] videtur
colores [illegible] videtur [illegible]
[illegible] reflexione [illegible]
[illegible] videtur [illegible] reflexione [illegible]
[illegible]
[illegible] apparent colores iridis [illegible]
[illegible] visu [illegible]
[illegible] color [illegible] cristallis glacies [illegible]
apparet color [illegible] videtur [illegible]

visui et soli interpositus tunc apparet quod sol sit in nubecula quia
sic quod comprehensio lucis solis per talia corpora apparentes colores. Secundo
quia cum sol videtur per cristallum habentem sex angulos apparent colores
yridis quod non est nisi lux ipsius per talia corpora apparens color.
Tertio cum sol videtur per vitrum plenum aqua apparent colores yridis.
Est ergo ratio quia cum in superficie talium corporum frangantur radii solares
et diffundantur in corporibus et transeunt per talia corpora faciunt talem
apparentiam. Et possumus tenere quod omnis color in rebus est ex diversa
incorporatione lucis cum perspicuo et reflexione radiorum lucis. Et quia talis
incorporatio fractio vel reflexio radiorum lucis fit secundum variationem perspicui
est inde est quod aqua congregata apparet alba et aqua [illegible] et aqua aliorum co-
lorum convenientibus [illegible] non sunt ut patet experientia quod color sit aliquid
ab luce quod non potest experiri in die ut in nocte in luce ut in tene-
bris. Cum lux enim ad res applicatur talem vel talem colorem
dicere quod hoc est propter aquam et aquam lucis incorporationem. Cum in tenebris
autem non possumus experiri quod color sit aliquid ab eo quod in tenebris
non videmus colorem. Respondetur tunc ergo dicere quod in tenebris [illegible]
quod corpus est coloratum et etiam est [illegible] quod non potest bene experiri.
Sed sciendum est quod hic non convenit dicere de colore secundum quod [illegible] dictum et quibus opinio
est quod color est una qualitas [illegible] resultans ex actione et passione primarum qualitatum
adminiculo. Secundo hoc quod qualitas que apparet super [illegible] talibus
corporibus talis est apparet si per [illegible] per ista corpora reflectantur
super aquam posito adverso tunc apparebit color. Patet quia si videat
solem per cristallum et per [illegible] ponat manum suam ubi fuerit [illegible] oculus
experietur quod manus inficitur ad oculum consimiliter consimilis apparentia.
Et ideo aliquando in umbra vitri pleni aqua positi ad radios solares
super mensam apparent in mensa colores yridis et hoc non est nisi [illegible]
vel mensa inficiatur lumine transeunte per vitrum aqua ad oculum consimile
experientia sit apparerent talis [illegible] si oculus est in umbra huius vitri.
Tertia hoc est lumine transeunte per corpus cadit super speculum seu
super corpus politum tunc talis apparentia non fit in quocumque situ sed
oportet quod oculus servat [illegible] unde ad situm determinatum [illegible] sicut est de
aliis rebus que videntur per speculum et cetera. Patet cum si retro vitrum speculi
plenum aqua ponatur speculum tunc non in quocumque situ apparebunt
colores sed oportet quod oculus se servat [illegible] in certo situ
adequate sit reflexio. Secundo per alio experimento [illegible] quod sint
duo vitra speculata plana aqua tunc ponantur [illegible] ad solem et ponatur
manus in umbra [illegible] radiorum [illegible] tunc
apparebunt in manu colores yridis ab omni situ. Si autem ubi est
manus ponatur [illegible] vitrum tunc apparebunt ibi colores sed non
ab omni situ [illegible] unde quod oculus sit in de-
bito situ [illegible] quia oportet angulum incidentie equalem esse angulo

reflexionis ad hoc quod fit reflexio super corporibus politis et regularibus
in corporis superficie. Et si retro vitrum vas plenum aqua speculum ponatur
[illegible] vel lignum vel aliquod aliud corpus quod non est politum [illegible] aqua
[illegible] superficiei talium corporum lumen reflecti ad visum [illegible]
[illegible] situ indifferenter. [illegible] in quibus patet [illegible] quod apparentia
colorum yridis fit [illegible] in tacto [illegible] de duobus vasis
vitreis speculis plenis aqua quod unum est retro aliud positum in radiis
solaribus vel radiis lucis venientibus a sole ad nubem mediante super
aliquam guttulam nubis et ideo [illegible] in umbra hic apparet
color et tunc retro [illegible] guttula est una alia guttula reflectens
lumen ad visum ideo apparet consimilis color [illegible] gut-
tula posita in umbra alterius et corporis superficiei [illegible]
ideo non reflectitur ad lumen [illegible] adequatum situm sed ad situm
determinatum [illegible] ideo sic quod colores yridis non videntur in omni
[illegible] situ sed ad situm determinatum [illegible] Secundo adeo adequate
fit reflexio [illegible] guttula in nube ita dicitur
de aliis guttulis. Secundo sciendum est quod non semper eadem guttula manet
in umbra alterius guttule quia guttule moventur continue [illegible]
ubi [illegible] guttularum [illegible] totum apparet [illegible]
[illegible] Secundum signum est [illegible] quod non fiant colores yridis
quia si inter solem et nubem est [illegible] vel nubes spissa non apparet
yris. Aliud signum est quod yris non [illegible] nisi in nube [illegible] aqua
apparet. Et ideo dicunt auctores quod yris fit in nube roscida [illegible]
[illegible] in radiis solaribus apparent isti colores
in molendinis et in elevatione remorum [illegible] quod in
[illegible] rivuli [illegible] et [illegible]
[illegible] guttule et apparent [illegible] colores yridis continue in nube non
est verus color sed quia [illegible] sol reflectitur per talia corpora [illegible]
[illegible] guttulas [illegible] in nube ad diversas partes [illegible]
[illegible] quod tales colores [illegible] non intelligit quod verus color est
[illegible] si quod solum appareat [illegible]
[illegible] tunc [illegible] visus indicant [illegible] colores
[illegible] et dico quod decipitur ut hic est [illegible]
[illegible] non debite dispositus quod visus possit decipi [illegible]
[illegible] apparet [illegible] ubi [illegible] alii colores [illegible]
[illegible] apparet [illegible] reflexio lucis [illegible]
[illegible] in apparentia yridis apparent nobis colores
[illegible] color apparet nobis [illegible] lux solis [illegible] reflecti dicto modo
et [illegible] reflexione [illegible] apparet nobis quod tales sint in coloribus

Utrum yris sit forma realis vel sit solum forma ymaginaria.

[illegible]

[illegible]

[illegible]

perflexionem fiat Quinto sic yris accidentalis [illegible] apparet sit per
refractionem et naturalem quia tamen quod fiat eciam non autem quod in perfusione ro-
ris in occasu medii densioris fiunt fracti et perfusus yris visa perfecta-
le sit perfractionem Sexto sic yris fit in medio diaffono vel
secundum diaffonalem et non specularis quia tamen quod hoc non dicitur secundum specularis
sed autem clarius [illegible] guttas in quo est yris tamen [illegible] vel per
aliquid diaffonum fit [illegible] Septimo autem yris fit
perflexionem radiorum solarium super guttulas nubis roride [illegible] spe-
cularis quia tamen quod sic [illegible] aspectu secundum perflexionem Octavo adac-
cipitur notandum est primo quod in composito
secundum diaffonalem dicitur secundum apparet
perfractionem vel [illegible] radiorum sicut [illegible] nube vel nubibus
et forma diaffonalem Sed secundum specularis dicitur secundum quod apparet [illegible]
[illegible] speculi per reflexionem radiorum sicut ymago in speculo vel speci-
es rei vise in speculo Et est notandum quod fiat refraccio et reflexio sicut per
experienciam Et est notandum quod [illegible] aliquid [illegible] videri perfractionem
et reflexionem Secunda ponitur quod aliquid speculum sive politum iacet super aquam
claram in superficie [illegible] palme vel [illegible] radio obliquo incidente
super aquam refrangitur [illegible] veniet super speculum et velut super spe-
culum reflectitur a speculo secundum equales angulos incidencie et reflexionis
et postea [illegible] refrangitur et videbit clare [illegible] videri
eam perfractionem et perflexionem Tercio si aliquis inspiceret speculum directe
oculo sive faciem suam recte [illegible] vrinale plenum aqua [illegible] videbit
faciem suam perfractionem et reflexionem Quibus patet quod sic [illegible] videri
visione mixta ex refraccione et reflexione [illegible]
[illegible] in puncto in composito [illegible] ymaginem [illegible]
[illegible] fiat [illegible] aqua sit [illegible] aqua [illegible] super [illegible]
[illegible] reflectitur radius solaris [illegible] refrangitur [illegible] fit secundum diaffone
guttule et reflectitur Ex premissis ponitur [illegible]
[illegible] yris est secundum specularis seu secundum apparet perflexionem aquibus
politis tamquam a speculis [illegible] quod yris celestis et naturalis [illegible]
[illegible] et quarto sit [illegible] sit yris accidentalis quod sit per radios subtiles
Sed yris accidentalis sit perflexionem radiorum [illegible] secundum specularis [illegible]
[illegible] naturalis yris seu celestis quia tamen [illegible] et autem [illegible] parte [illegible]
[illegible] sit autem [illegible] parte per adiacenciam
[illegible] guttule et radios subtiles reflectuntur radii solares tamquam specula
[illegible] quod yris non sit [illegible] quod [illegible] sit perflexionem super
guttulas [illegible] guttule [illegible] diaffone
et densiores ac [illegible] radii solares super [illegible] refrangit

[illegible] sit yris quia tamen [illegible] et [illegible] parte sic per
[illegible] parte per adiacenciam quod primo videtur colores yridis et postea colores
[illegible] primo [illegible] et [illegible] quod non [illegible] sic est guttule non
[illegible] diaffone in quibus apparet yris sicut est guttule sed densiores
ac quod [illegible] radii solares non refrangitur ut reflectitur [illegible] ad
visum [illegible] apparet nobis yris [illegible] Tercia [illegible]
yris fit [illegible] perflexionem [illegible] perfractionem radiorum [illegible] quod sic [illegible]
[illegible] et [illegible] aqua apparet diversitas colorum yridis [illegible] radii
reflexi et [illegible] debiliter [illegible] species rei [illegible]
duo secundum reflexionem et [illegible] perfractionem solares [illegible]
[illegible] yridis [illegible] colores [illegible] apparebit [illegible]
[illegible] quod yris non fiat secundum diaffonalem sic quod non specularis ut
[illegible] specularis secundum [illegible] sic quod non diaffonalem sed [illegible]
[illegible] est [illegible] reflexa et refracta [illegible] corporata solares [illegible]
[illegible] radiationem apparet [illegible]
[illegible] yris in aqua [illegible] fiat quia
[illegible] fiunt [illegible] diaffono non [illegible] omnino [illegible] fiat
[illegible] non oculi radiacionis [illegible] fiunt [illegible] solis Quarto dico
[illegible] sic apparet in medio non est yris [illegible] corona
colorata [illegible] yridis [illegible] sit yris ut arcus [illegible]
[illegible] non omnino sit [illegible] sit yris ex composito
[illegible] visui [illegible] in medio [illegible] apparencie [illegible]
[illegible] est visui [illegible] et radio per
sola refractionem [illegible] non sic non est [illegible]
[illegible] quod yris fit in nube [illegible] aliqualiter
[illegible] radii sit in speculo [illegible] et [illegible] puncto [illegible] ad
[illegible] oculi radii reflexi [illegible] sit in speculis [illegible]
radii [illegible] non [illegible] non [illegible]
[illegible] yris sit [illegible] quod [illegible] solis ad unum puncto
[illegible] sit [illegible] oculus [illegible] puncto non videt yridem
[illegible] alii [illegible] oculi [illegible]
videndo [illegible] radiorum videt yridem [illegible]
[illegible] densiorem [illegible] videt yridem [illegible] non [illegible]
[illegible] quod [illegible] angulum incidencie angulus reflexionis [illegible]
[illegible] radiis [illegible] a puncto solis super aquam puncto
[illegible] centro [illegible] ad centro oculi
[illegible] ymaginabantur [illegible] sit [illegible] centro radii
[illegible] et reflexi [illegible] ad centro [illegible] oculi que
[illegible] quod si devenient ad [illegible] angulis reflexionis [illegible]

[illegible]

[illegible]

vel guttulis pluribus radiis sol incidit Tunc sit prima conclusio quod yris
non fiat in sola nube quia nubes est sufficienter tersa et polita
ita quod sufficiat ad reflectendum lumen secundum unum situm determinatum et
ad yrim fiat secundum reflexionem ad determinatum situm ut patuit in precedenti
questione Sed quod non sufficiat sola nubes ad eius compositionem Secunda conclusio quod
non est unum continuum super quo fiat reflexio yridis sed plura discreta
Tertia quia si esset unum continuum tunc appareret secundum unum radium figura
solis quia lux solis [illegible] esset [illegible] et plura etc. quia sicut videmus
in uno speculo continuo fieri solis reflexionem et apparitionem sic et luminis solis
ita esset etiam in apparitione yridis Tertia conclusio quod ea in quibus apparet yris
vel in quibus fit reflexio yridis sunt plures guttule [illegible] [illegible]
quo ad nos valde prope ad invicem cadentes Probatur quia cum non est sola
nubes ut dicit prima conclusio nec solum aer nec aqua nec unum continuum ut
dicit secunda conclusio ergo oportet quod sint plura discreta ut dicit tertia conclusio et hec
est compositio sic quod sint valde prope ad invicem cadentes [illegible] patet quia
non apparet yris nisi circa continuum Secundo apparet quod ubi est defectus
talium guttularum ibi non apparet yris ut patet [illegible] continuis [illegible]
ad [illegible] sicut sufficienter sit probatum Quarta conclusio quod ad hoc quod sit
reflexio yridis [illegible] sit super plures guttulas discretas proximas
prope invicem cadentes Ideo etiam sic fit yris naturaliter [illegible]
[illegible] [illegible] [illegible] Patet tamen yris apparet in aspersione aque [illegible]
[illegible] in aqua [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] ante
[illegible] de [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] guttule non
sufficiat [illegible] [illegible] [illegible] [illegible] sed plures [illegible] ut sufficiat
[illegible] [illegible] non [illegible] appareret yris [illegible] [illegible] [illegible]
plura simul iuncta possunt apparere ubi [illegible] solis [illegible] [illegible]
[illegible] [illegible] [illegible] quod [illegible] [illegible] [illegible] sit guttule [illegible]
radium non [illegible] sic quod multiplicatio [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] ad alium visum [illegible] reflectatur [illegible]
tunc non indiget [illegible] quod [illegible] quia [illegible] non indiget nube
sic quod reflectatur [illegible] [illegible] indiget nube [illegible] retro [illegible] quod fiat
umbra retro yridem [illegible] quia yris melius potest apparere
[illegible] solutio est [illegible] [illegible] [illegible] yris dicitur tricolor
Et [illegible] quod non [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] visualis reflexio vel refractio non potest [illegible] [illegible] modis
quia [illegible] debilitatur [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] yridis [illegible] [illegible] colores [illegible] [illegible] quia in [illegible] modis [illegible]
radius debilitatus [illegible] [illegible] [illegible] gradum [illegible] [illegible] [illegible]
[illegible] sic aqua yris est [illegible] colorum [illegible] non dicitur yris est tricolor

solis [illegible] [illegible] [illegible] [illegible] declaratur [illegible] [illegible] [illegible] [illegible] quod dicat
[illegible] [illegible] color [illegible] quod est [illegible] color [illegible] apparet in yride
[illegible] sic tot sunt colores yridis quot [illegible] [illegible] distincte ab invicem [illegible]
[illegible] sic quod [illegible] color [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] tres colores [illegible] tunc colores yridis [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
et non [illegible] tres et [illegible] non dicitur yris est tricolor solum [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] diminuitur [illegible] color puniceus et color
rubeus [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] sic inter viridem et puniceum apparet unus color medius distinctus
ab utroque [illegible] inter puniceum et [illegible] apparet [illegible] [illegible] [illegible] [illegible]
colores [illegible] plures [illegible] colores yridis quam tres [illegible] yris non dicitur
tricolor solum [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] puniceum et viridem apparet
[illegible] medius [illegible] [illegible] inter viridem et [illegible] Et si dicatur quod [illegible]
non est color [illegible] [illegible] apparet [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] apparebit [illegible] color [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] non
[illegible] plures colores yridis [illegible] quo [illegible] [illegible] [illegible] [illegible]
[illegible] sic quod plures colores [illegible] vel debilitatis [illegible] quod non
oportet [illegible] [illegible] apparere colorem [illegible] sic yris [illegible] [illegible] apparet non apparet
tricolor [illegible] yris solis [illegible] [illegible] quod solum apparet alba [illegible]
in yridibus [illegible] [illegible] [illegible] [illegible] [illegible] sic [illegible] yris
apparet alba et [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
in [illegible] [illegible] [illegible] [illegible] quod [illegible] vir vidit [illegible]
totam yridem albam [illegible] est [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] est tricolor [illegible] [illegible] [illegible] colores
[illegible] [illegible] [illegible] quod yris debeat apparere tricolor ut
[illegible] [illegible] [illegible] [illegible] [illegible] quod [illegible] [illegible] [illegible] [illegible]
colores yridis [illegible] [illegible] [illegible] [illegible] radius [illegible] [illegible] [illegible]
[illegible] radii debiti [illegible] radii [illegible] vel [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] radius [illegible] [illegible] et [illegible] [illegible]
[illegible] et [illegible] debilior [illegible] [illegible] radius [illegible] [illegible]
[illegible] causat apparentiam coloris [illegible] vel rubei et [illegible] radius
debilior [illegible] [illegible] [illegible] causat [illegible] colorem [illegible] Tunc pone
de [illegible] [illegible] prima est quod [illegible] modis radius visualis [illegible] medium [illegible]
[illegible] [illegible] radius reflectitur vel refractus et non pluribus [illegible] [illegible] in
[illegible] [illegible] [illegible] quia [illegible] vel est fortissimus vel medius vel
debilis si est fortissimus tunc [illegible] [illegible] [illegible] si medius [illegible] [illegible] si debilis
[illegible] [illegible] [illegible] non [illegible] plures [illegible] [illegible] radiorum quam tres [illegible]
[illegible] quod tres sint modi et non plures [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] Secunda [illegible] yris [illegible] apparere tricolor [illegible] [illegible] [illegible] [illegible]
[illegible] ubi dicitur quod [illegible] quod yris appareat tricolor et patet quia tot colores
yridis [illegible] apparere [illegible] sunt modi [illegible] radiorum [illegible] colores

sed isti sunt tres et non plures secundum intencionem aristotelis. Quod yris quandoque appareat
tricolor. Tercia quod quando yris appareret quandricolor sed quia propter
minorem porcionem unius coloris ad alium pars puniceus minus videtur apparet
flavus id est color citrinus qui nec est rubeus nec viridis nec alorgus
vel est descendere contrarium. Ad quartum dicendum quod patet per perspectivam et in arte declaratur.
Sed per perspectivam in istis visibus [illegible] requiritur ut minor fit positio diu-
ersorum colorum admixtione et sic quia ita quod videtur esse quasi aqua et
color colore propter hoc arcus sit quod flavus non est color distinctus sed apparet
propter minorem porcionem diuersorum colorum. Quarta quod quando yris sit
apparens secundum condescendentes colores distinctos quia a sibi proximo
et cetera quod patet per perspectivam plures modos quia ipsa condescendat superior
sit a quantitate puniceus colorum et media sit viridis et tertia
sit ... alurgus id est lasurius et tercia sit in quantitate viridis
et quarta sit in quantitate ... puniceus et tertius color sit distinctus ab
inuicem quinto secundum propositum ut ... quarta ... et quantitas
yris habeat secundum colores ... secundum condescendentes. Sed isti colores ...
ipsorum non sunt plures quam tres et hoc contingit valde raro. Sed quia
colores iris ... quando non nigri nec minus variantur colores ... non
potest reddi causa quod videtur esse omnino voluntarium dicendum sicut ... dicit
quod non sufficit tres gradus radiacionis. Secundum dicendum quod hoc est quia maior
lux ... quam sit apta nata esse ... communis videtur ... quod non
possit melior causa dari sicut nec eius quare celum non est albedinis
et ... et quare ... non ... et quod ... non est
apta nata ... nisi ... per declaracionem perspective
non sic ... unius ... aqua ... simplex illumina[tur] a candela
... ... videtur sic quod oculus sit in medio inter vitrum et
candelam ad tunc vitrum non illuminatur ... apparebit inferior pars
... candela ... superior ... puniceus ... colorum et media ...
... viridis et superiora per flamme ... visui ... apparet ... colorum
alurgus ut ... est ... medio ... ... fumus ...
albedo visui rubeus apparet vinum ut fumus ... ad ...
... uolenti ... videtur in uno ... vel
in pluribus ... ... dicitur ... quod ... diuersitas colorum sit
est ... apparet ... diuersitas ... et tunc ... non est ...
ut ... diuersitate mediorum ... quod ... sit ... radiorum ... et
videtur ... apparet ... fumus ... ubi apparet
distinctio colorum in glaciebus ... fumus et ... diuersitate mediorum
quod ... non est ... fumus ... diuersitate mediorum ... quod ...
... radiorum ... mediorum. ... ad ...
... et ... ... in ... ...

Unde ... non ... ... et ... non
diuersificant ... solita ... quod ... tot sint
colores iridis ... non ... ad ... quod duo
colores ... ad ... appareant quod non ... duo ut
in ... ... si videatur ... alba appareat
ut rubea et ... citrina et ... viridia quod non ... alia
in ... ... sit luna et stella ... et ... quod in proposito
... de iride apparet ad solem et ... arcus ... intelligebat
... ... de luna quod luna non ... duos colores ... ita
... ... sol ... dicendum quod ... in ... et
... quod ... ... et ...
... id est ... optima disposicione et ... ad
... quod ... vaporis ... grossiciei et densitatis
in quo non potuit lumen penetrare ... ...
... vaporis ... lumen non ... colores ...
... in ... ut ... umbrarum. Unde
... lucis ... ... in admixtione in-
... umbrarum ... ... potuit ... ad ...
... ... diuersitatis coloris. ... dicendum ... ... solis
... non ... potest appare-
re ... quod non ...

et non ... potest appareri ... ... duobus ...
... mediis ... ... mediana ... ...
... videre ... ... non ... ut ...
... ... et ... ... tot ... appareant colores
iridis quot sunt oculi videntes vel ... quod plures quam solum
duo ... appareant ... quod ... videantur sunt multo plures
quam duo et ... est ... quod valde plures quam duo ... diuersis locis
... ... videt ... et ... duo videt ... ...
... ... loco ubi apparet iris ... non apparet iris ...
... ad locum ... ... per ... diuersis ... ...
... locis. Certo iris ... potest pluribus modis apparere quod
multo ... iris ... potest apparere pluribus modis ...
duobus ... ... per ... ... duas ...
... ...
... quod iris ... appareat in ... ...
... duas iris ... possunt ita quod ... oculo appareat quod
iris potest apparere ... ...
... sic yris ... ... speculum ... ... reflecte
... ... possunt apparere due irides quarum sit

p(er) elevacione(m) unius oculi sit q(uod) nec(essari)o obliq(ua)e suppon(itu)r 2(o) et p(otes)t app-
arere due irides 2(o) sunt sol(is) (et) iris p(otes)t apparere multiplicata q(uam) solu(m) du-
plex ut patet ex predictis. Septimo ar(guitur) n(on) d(icitu)r [illegible] quia
sexagesima nona secundo decimo suo q(uod) quicq(ui)d plures nubes consi-
stunt i(n) coloribus p(ro)c(ede)r(e) una sola 2(o) e(st) una p(er) [illegible] ergo p(ro)-
q(uod) p(otes)t apparere multiplicata q(uam) solu(m) du(p)lex. [illegible] e(st) ar(cu)s. Tua
ubi d(icitu)r dupla at(que) 2(o) obscurior coloribus q(uam) ambiens 2(o) sed it
p(ro)p(ter) ea tres at adinv(ice)m no(n) sunt n(ecess)e plures quam due vise [illegible]
quo v(idetu)r q(uod) iris no(n) p(otes)t apparere multiplicior q(uam) solu(m) dup(lex). De a(lio) q(ui)d
aliq(ui) ymaginabantur q(uod) sit unus circulus tangens q(uod) sit [illegible]
2(o) ex arcubus [illegible] ita q(uod) linea p(er)tracta a sole usq(ue) ad medium superiore(m)
2(o) ad medium inferiore(m) 2(o) linea [illegible] p(er)tracta a sole usq(ue) ad orbe(m) [illegible]
de orbe ad medium tunc sicut [illegible] decem graduum [illegible] [illegible]
iris inferior e(st) quadraginta duorum graduum ita q(uod) tu(m) occupat de celo
semidiameter iridis inferioris posito q(uod) sol sit i(n) orizonte tunc
ymaginantur illi unum punctum elevatu(m) a superficie orizontis p(er) q(ua)-
draginta quinq(ue) gradus 2(o) v(idetu)r e(st) punctus [illegible] 2(o) p(er)tracta linea [illegible] usq(ue) ad p(un)c-
tu(m) [illegible] 2(o) ymaginabitur circulus describi circumvolucio puncto [illegible] 2(o) [illegible] p(otes)t
ymaginari e(st) circulus medius int(er) duas irides s(ecundu)m [illegible] 2(o) p(otes)t
dici q(uod) ad aliq(ua)le distancia illius t(ame)n medie s(ecundu)m [illegible] [illegible] infra
2(o) [illegible] sup(ra) apparet color puniceus 2(o) tunc [illegible] ad [illegible] m(edio)-
[illegible] ultra equaliter ab eo circulo medio tunc apparet color viridis
2(o) ad [illegible] [illegible] mediocre equaliter ab eo circulo medio tunc apparet
color lazurius vel lazuinus i(n) utrisq(ue) iridibus. [illegible] h(ic) dicit
q(uod) p(ro)pter ea q(uod) tunc due sunt irides 2(o) no(n) plures. Et tu(m) [illegible]
[illegible] [illegible] probabilioribus lic(et) no(n) sint p(ro)bata q(uod) [illegible] p(ote)st p(ro)babi-
lia ymaginari q(uod) necesse fuerint nec ea essencia sunt [illegible] alie d(icitu)r [illegible]
tibus i(n) [illegible] q(uam) [illegible] sexagesime none qui d(icitu)r [illegible] plures irides
duabus iridibus seu [illegible] [illegible] [illegible] e(st) [illegible] q(uod) no(n) sunt
n(isi) tres colores ut [illegible] i(n) secundo decimo [illegible] 2(o) ex [illegible] e(st) in
[illegible] q(ui)d e(st) [illegible] q(uod) no(n) e(st) [illegible] diversificato colore i(n) situ iridis
nisi s(ecundu)m [illegible] colores s(ecundu)m puniceu(m) 2(o) aliorum s(ecundu)m localem dis-
p(ositi)o(ne)m q(uod) [illegible] medius color magis i(n) [illegible] int(er) duos [illegible] et ob-
[illegible] q(uod) no(n) p(ote)st e(ss)e plures irides i(n) situ colorum [illegible] et
color medius no(n) p(ote)st [illegible] [illegible] alios manentibus [illegible]
[illegible] [illegible] p(ote)st [illegible] S(ed) ut ea [illegible] v(idetu)r sufficit q(uod) quia [illegible]
q(uam) [illegible] color p(ote)st e(ss)e i(n) [illegible] 2(o) [illegible] [illegible] i(n) medio
[illegible] e(st) [illegible] [illegible] [illegible] q(uod) ea q(uod) no(n) e(st) p(ro)bata [illegible]
[illegible] [illegible] [illegible] [illegible] q(uod) [illegible] nubes superiores tardius
movent(ur) sicut [illegible] q(uod) videmus nube inferiori [illegible]
velocius [illegible] et [illegible] quam superiori [illegible] [illegible] q(uod) [illegible]
inferiori e(st) fortior quam superior. Sexto sciend(um) q(uod) nubes superior seu
plus elevata cadunt guttulas pluviales [illegible]
[illegible] nubes in

[illegible] [illegible] satis [illegible] ubi arcus [illegible] loquendo de gradibus
[illegible] [illegible] [illegible] ea quare fiat magne gutte pluviales q(uam) [illegible]
[illegible] [illegible] 2(o) d(icitu)r q(uod) e(st) [illegible] q(uod) i(n) inferioribus nubibus p(otes)t [illegible]
[illegible] cito guttule [illegible] [illegible] aqua [illegible] superius no(n) e(st) ita p(ri)mo
[illegible] [illegible] guttulas sunt [illegible] [illegible] media [illegible] [illegible] p(otes)t
[illegible] i(n) [illegible] [illegible] [illegible] [illegible] q(uod) iris [illegible] i(n) [illegible]
guttulis tunc apparet [illegible] [illegible] [illegible] q(uam) iris [illegible] [illegible]
[illegible] [illegible] ex predictis i(n) iridibus [illegible] Et [illegible] ymaginandu(m) e(st) [illegible]
[illegible] [illegible] [illegible] [illegible] p(otes)t nobis [illegible] [illegible] plures [illegible]
[illegible] [illegible] superior 2(o) inferior apparere q(uam) due solu(m) [illegible] ad
[illegible] q(uam) [illegible] q(uod) [illegible] nubes impedit [illegible] visio(n)em alterius
si sit i(n) eadem linea 2(o) [illegible] 2(o) si no(n) tunc v(idetu)r una [illegible] nubium
2(o) [illegible] v(idetu)r [illegible] [illegible] [illegible] 2(o) descendere [illegible] [illegible] [illegible] nubium [illegible]
[illegible] si [illegible] alie nubes superiores 2(o) si [illegible] inferioribus
[illegible] una [illegible] [illegible] [illegible] nubium ita et ita [illegible] tunc q(uod)
ipsa iris no(n) possit apparere q(uam) [illegible] [illegible] no(n) reflectuntur [illegible]
[illegible] iridibus [illegible] [illegible] [illegible] [illegible] [illegible] ita sunt [illegible] [illegible]
[illegible] [illegible] ab [illegible] Tunc ergo [illegible] [illegible] [illegible] satis
apparet [illegible] [illegible] q(uod) [illegible] e(st) q(uod) [illegible] iris apparet dupla vel tripla
[illegible] [illegible] [illegible] [illegible] arcus [illegible] [illegible] simul 2(o) [illegible] eadem [illegible]
i(n) eodem loco sup(ra) superficie(m) [illegible] orizontis [illegible] possunt apparere
due vel tres irides. Tunc ergo [illegible] sit [illegible] sit [illegible] [illegible] q(uod) [illegible]
[illegible] unius 2(o) [illegible] [illegible] 2(o) [illegible] [illegible] [illegible] [illegible] apparent
due irides solu(m) 2(o) no(n) plures nisi [illegible] [illegible] [illegible] [illegible] [illegible]
duobus [illegible] sit radiorum reflexio i(n) nube roscida vel i(n) guttulis pluvie
cadentibus nubibus [illegible] ergo solu(m) apparent due irides [illegible]
[illegible] q(uod) iris sit [illegible] reflectere radios i(n) nube roscida vel in
guttulis pluvie cadentibus nubibus [illegible] 2(o) [illegible] tot modis possi-
bile iris [illegible] [illegible] possunt apparere plures 2(o) no(n) pluribus Et [illegible] in
alio no(n) p(otes)t apparere [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] Et [illegible]
e(st) [illegible] [illegible] [illegible] [illegible] celo [illegible] [illegible] [illegible] S(ed) [illegible] [illegible]
[illegible] [illegible] q(uod) p(otes)t una [illegible] nubes [illegible] ita bassa 2(o) [illegible] [illegible] [illegible]
aque [illegible] 2(o) pluvie q(uod) ita appareat 3(a) iris 2(o) si no(n) [illegible] semi-
[illegible] [illegible] [illegible] aqua [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] q(uod) [illegible] [illegible] [illegible] nubium irides possit apparere q(uam)
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] e(st) [illegible] sol
2(o) [illegible] [illegible] radiorum sol(is) 2(o) [illegible] elevacio(n)em [illegible] sol(is) [illegible]
apparet [illegible] [illegible] distancie 2(o) [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] no(n) [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] tres irides
apparere vel [illegible] 2(o) no(n) [illegible] colores 2(o) [illegible] [illegible] [illegible] [illegible]
[illegible] sit ea [illegible] [illegible] e(st) [illegible] [illegible] [illegible] [illegible] no(n) v(idetu)r e(ss)e

propter diversitatem plurium que in nubibus erunt vel non est diversitas guttularum videtur et plurium secundum sicut aliquibus guttule videntur [illegible] apparet et est diversificatio colorum superiorum et inferiorum iridis ut dictum est. Contra quod hoc non videtur quia propter diversitatem plurium diversitatem nubium secundum superius et inferius quia tunc in superiori [illegible] apparent due irides ubi tamen non est diversitas etiam nubium nec guttularum videtur. Item cum et fiunt irides non attingunt superficiem descendit et si non fuit impedimentum esset superficies [illegible] et quam fieret iris apparet in vallibus et inter montes ubi tamen non sunt nubes nec guttularum diversitates. Ad ista videtur dicendum quod hoc non fit propter diversitatem. Primo dico quod hoc fit propter [illegible] plura late et profunde et alte diffuse apparebunt due irides et si non due apparebunt tamen una. Ad aliud patebit. Ad primum dico quod hoc [illegible] quia predictis appositis quod [illegible] eadem [illegible] qui stat in eodem loco et eodem disponitur et secundum [illegible] et secundum motum et secundum speculo quocumque. Etiam sit solum [illegible] dico quod potest apparere irides etc. Dico quod non est dubium quin pluribus [illegible] diverse irides appareant primo diversitate intersecant se [illegible] apparet diversis [illegible] sic quod una intersecando apparet una [illegible] et ad aliud [illegible] tamen nulla apparet intersecta [illegible] dico quod ad eodem loco quod ad eodem loco dico quod hoc non est [illegible] quod [illegible] in diversis [illegible] quod [illegible] diversis [illegible] plures irides potest apparere. Ad [illegible] ad dico [illegible] et [illegible] quod in [illegible] possunt fieri tot diversitates [illegible] apparere quot voluerit sit tamen [illegible] parte [illegible] [illegible] dico quod tamen [illegible] [illegible] difficultas [illegible] non est [illegible] et [illegible] [illegible] [illegible]. Et si [illegible] dico [illegible] composito [illegible] quod sit ad [illegible] sit [illegible] sit [illegible] voluntarie et [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] apparet [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] dico quod stat [illegible]

Utrum [illegible] apparentibus duabus iridibus superior iris [illegible] colores [illegible] positos. Et arguitur quod non [illegible] quia sicut [illegible] maior videtur [illegible] colorum medium [illegible] aliter non possunt situari [illegible] [illegible] [illegible] [illegible] quia si [illegible] irides

[illegible] sunt colores diversitate aliter situati et [illegible] puta ponendo rubeum in [illegible] et viridem in [illegible] [illegible] sic hoc maiorem [illegible] tanto quod [illegible] iris [illegible] [illegible] sicut in speculo et [illegible] debilior hoc est [illegible] ut [illegible] fuit in parte [illegible] quia tamen quod hoc [illegible] [illegible] [illegible] [illegible] sic hoc [illegible] plurimis [illegible] hoc [illegible] est [illegible] quod [illegible] [illegible] [illegible] iridis [illegible] ad superficiem [illegible] ubi sunt plures [illegible] [illegible] quia tamen quod [illegible] maior videtur posse [illegible] quod in [illegible] plurimis [illegible] fiet reflexio et [illegible] [illegible] sic [illegible] non possunt [illegible] apparere due irides [illegible] colores [illegible] situati hoc [illegible] est [illegible] et [illegible] [illegible] allegata et [illegible] [illegible] quia tamen quod [illegible] [illegible] [illegible] aliter [illegible] [illegible] irides [illegible] non [illegible] colores [illegible] [illegible] et [illegible] quia tamen [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] ubi dicit dupla [illegible] et obscurior coloribus [illegible] et omnes colores [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] in [illegible] [illegible] [illegible] quod in [illegible] [illegible] quia colores iridis [illegible] et debiliores videntur. [illegible] dicit [illegible] in [illegible] [illegible] ubi [illegible] dicit [illegible] [illegible] [illegible] ita quod vult quod [illegible] iris sit [illegible] et infima vel [illegible] sit a [illegible] quo apparet [illegible] sit color rubeus vel medius vel [illegible] [illegible] [illegible] rubeis et [illegible] viridibus et [illegible] et [illegible] [illegible] superioris iridis [illegible] [illegible] inferioris iridis. Notandum quod irides [illegible] [illegible] seu [illegible] colores [illegible] [illegible] una iris [illegible] rubeum colorem [illegible] [illegible] coloribus [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] sol et [illegible] [illegible] [illegible] iridis quod sit [illegible] [illegible] radiose sic quod radii [illegible] distantes [illegible] sunt debiliores [illegible] [illegible] est [illegible] ut [illegible] [illegible] [illegible] [illegible] colores [illegible] debilitas [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] omitto [illegible] puto [illegible] [illegible] quod [illegible] [illegible] est [illegible] iridis quod superior [illegible] inferioris iridis que apparet rubea [illegible] [illegible] [illegible] [illegible] et [illegible] [illegible] apparet [illegible] sit [illegible] [illegible] [illegible] [illegible] puta [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] alia [illegible] apparet [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] puta reflexionem et refractionem [illegible] [illegible] quod non [illegible] superficies [illegible] [illegible] [illegible] [illegible] radium [illegible] [illegible] [illegible] quod radius [illegible] [illegible] [illegible] superficiei [illegible] [illegible] et [illegible] penetrabit [illegible] ad aliam superficiem [illegible] [illegible] [illegible] in [illegible] [illegible] [illegible] et [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] et reflexionis quia omnibus est una [illegible] radiorum

quod confluentia sit contrario speculo ideo tenuissime apparet ymago propter
radios inferius ad speculum incidentes et primo superficiem medium transcendentes
apparebunt superius et abinde superius incidentes quo ad visum minus refrangi-
biles ideo apparet inferius et contra inferiores unde apparet rubeum superius
et alargum et blaveum inferius et cetera contingit fieri in urinali modo
pleno aqua posita candela retro apparent radiantes super urinale plenum
aqua tunc in facie contingit talis reflexio colorum ad aspicientis colores
Iride sic contingit in speculis concavis [illegible] aut de speculis quia
[illegible] quod altitudinibus et profunditatibus aspectus concavis [illegible] sit
inter confluentiam visuum et aliquas visuales [illegible] convenire radiis
et [illegible] apparet sibi in speculis concavis et [illegible]
confluentiam sic apparet. Et ideo videtur in speculis concavis [illegible] quod [illegible]
[illegible] confluentiam radiorum apparebit [illegible] apparet
inferius usque tunc et procedens superius usque celum. Consideret ymaginatio
de inferiori unde quod superius apparet puniceus color et inferius alargus
et [illegible] ymaginatio est de superiori unde non ibi guttule sunt
in tantum elevate quod radius transiens [illegible] superficie medium vel aquam
ideo licet sit inferior tamen [illegible] apparent [illegible] superioris et quia radius quae
est superius transiens primo medium vel [illegible] longiore ideo apparet in-
ferius non confuso et hic [illegible] contingit [illegible] superior guttulas
usque centrum et ideo colores superiores apparebunt confuso modo posita
[illegible] inferioris iridis et [illegible] possumus experiri cum una candela
[illegible] quod [illegible] elevando urinale [illegible] apparebit superior
[illegible] candele usque [illegible] alargum et [illegible] apparebit viridis
et in fine rubea et cetera ita [illegible] contingit [illegible] sit superius [illegible]
sit [illegible] angulorum incidentie et reflexionis [illegible]
[illegible] hic quod hic [illegible] [illegible] iridibus eo quod [illegible]
[illegible] penetrat [illegible] quia [illegible] superius iris
[illegible] deficiat vel desinat et plura superioris iridis
[illegible] desinit et cadit inferius et cetera [illegible] non potest apparere
[illegible] descendunt guttule vel [illegible] radius [illegible] ad
oculum [illegible] penetrant [illegible] ad oculum reflecti [illegible]
[illegible] inferior iris [illegible] reflectantur et [illegible] contingit [illegible]
[illegible] non apparebunt plures irides [illegible] quare [illegible]
medium inter duas irides non apparet coloratum [illegible]
plane et sol radians et cetera [illegible] radii incidentes et [illegible]

reflectuntur ad oculum radiorum [illegible] angulorum incidentie et
reflexionis et non ad oculum [illegible] duas irides et ideo color non
apparebit. Sic sit prima questio [illegible] apparent due irides [illegible]
[illegible] colorum situatus et non [illegible] posita [illegible]
[illegible] et [illegible] [illegible] certo [illegible]. Secunda questio [illegible]
[illegible] et quare [illegible] quod non [illegible] duabus iridibus
una [illegible] colorum [illegible] posita alia [illegible] secunda
questio quare apparent due irides [illegible] colores quarum una [illegible] colores
[illegible] posita [illegible] colores [illegible] posita [illegible]
[illegible] et [illegible] [illegible] quod elevat [illegible] in
[illegible] magis [illegible] dico quod [illegible] non [illegible]
[illegible] [illegible] posse ad [illegible] quod dicitur [illegible]
[illegible] quod solum volunt loqui de duabus iridibus oppositis [illegible]
[illegible] quod non possunt aliter situari [illegible] eodem loco [illegible]
[illegible] non est [illegible] colores sunt oppositi sic non possunt aliter
[illegible] declinat [illegible] [illegible] si non [illegible]
[illegible] non est [illegible] quando declinat [illegible] [illegible] ut [illegible]
[illegible] quod convenit [illegible] [illegible] et [illegible] in speculo
[illegible] [illegible] plurales [illegible] dico quod non [illegible]
[illegible] [illegible] quia una est magis elevata quam altera [illegible]
ad visum minus reflectuntur sit [illegible] est [illegible] [illegible]
soluta est [illegible] possibile est fieri [illegible] et cetera [illegible]
[illegible] dico quod [illegible] voluit quod [illegible] sic fiet
si [illegible] non videtur [illegible] non [illegible] videtur tres
irides [illegible] quod [illegible] [illegible] [illegible] est
[illegible] possibile [illegible] sufficiens est [illegible]
[illegible] non sentitur [illegible] alia [illegible]
sic quod tres irides apparent quarum una habet tres colores
[illegible] et [illegible] et [illegible] sit [illegible] infima [illegible] colores
[illegible] situatus sit media. Ultra superior iris et una [illegible]
[illegible] et apparet [illegible]
inferior [illegible] coloribus

[illegible] iris [illegible] quod non [illegible] sic [illegible] major
[illegible] superioris iridis et elongatur [illegible] [illegible]
[illegible] quod iris [illegible] sole [illegible] oriente vel in occidente ita
[illegible] apparet sit [illegible] non est [illegible]
[illegible] quod sic [illegible] elongando [illegible] videtur
[illegible] eodem loco [illegible]
[illegible] distantia [illegible] radius visualis. Secundo sic [illegible]
[illegible] ascendit et descendit in inferiori quam superiori [illegible]

[illegible]

[illegible]

uno oculo et alter altero et omnes colores simul apparent in eadem guttula secundum diversos colores [illegible] tamen una guttula cum forma talibus coloribus quia non sunt colores nisi una diversitate reflexionis. Secundo sit [illegible] patet quia una sola causa non sufficit ad hoc quod sic appareat yris et via obscurior post nisi omnes iste cause concurrent et licet aristoteles non tangit omnes causas tamen intelligendum sunt alie cause sicut quando tangit in textu 2m questio

Utrum yris debeat apparere secundum circuli perfectionem si non sit impedimentum

Et arguitur primo quod non quia yris sit secundum sectorem minorem semicirculi et ideo quia circulus non perficitur [illegible] quod omnis [illegible] sectio minor semicirculi est [illegible] angularis [illegible] medietatis [illegible] linee [illegible] superficie secante piramidem rotundam iacente super superficie plana [illegible] super [illegible] secans et superficies [illegible] distans et ad hoc columna recta [illegible] [illegible] linee [illegible] si ergo yris sit secundum eandem sectionem patet quod yris non sit secundum eandem sectionem quia non est sic circulus [illegible] quod [illegible] secundum non sectorem minorem semicirculi et [illegible] superficie quod [illegible] puncto superficie radius incidens et reflexus ad idem puncto reflecti vel ad lineam rectam ut in tractatu de speculis [illegible] non [illegible] est [illegible] quod aliquo puncto yridis [illegible] radius [illegible] ad eundem puncto oculi [illegible] eum [illegible] oculos non videt yridem completam [illegible] sit secundum reflexionem ad [illegible] oculum [illegible] lineam rectam si [illegible] secundum sectorem minorem semicirculi omnes radii yridis [illegible] et [illegible] yris sit secundum sectorem minorem semicirculi

Secundo ad idem sic [illegible] non apparet sola [illegible] vel semicirculi [illegible] et [illegible] quia tamen quia [illegible] est circuli perfectio [illegible] sit una linea non [illegible] in medio et [illegible] linee [illegible] ut primo euclidis

Tertio sic [illegible] sit [illegible] reflexio ergo yris non sit solum secundum [illegible] circulationem quia tamen [illegible] non est sic circulus [illegible] quia [illegible] in monte [illegible] [illegible] yridis [illegible] videre yridem [illegible] non est [illegible] yris est yris et [illegible] yridibus [illegible] sunt [illegible]

Quarto sic [illegible] non [illegible] si [illegible] est [illegible] quia [illegible] sunt [illegible] yridis sic [illegible] non secundum [illegible] potest [illegible] quod yridis [illegible] secundum [illegible] potest [illegible] yris et [illegible] non appareret [illegible] yris [illegible] yris non sit [illegible]

Quinto sic yris [illegible] sit [illegible] alterius figure [illegible] sic circulus [illegible] non [illegible] aristoteles in textu et [illegible] non [illegible] yris [illegible] apparet [illegible] vel [illegible] cristallo [illegible] apparet recta linea et [illegible] videtur sic apparet recte linee [illegible] dato quod [illegible] vel [illegible] descendunt [illegible] sol [illegible] apparet [illegible] yris [illegible] secundum [illegible] circulationem

Sexto sic [illegible] est [illegible] quia secundum circuli per-

fectionem radii incidentes secundum equales angulos reflexi ad eundem oculum [illegible] et non alibi vel alii radii incidentes secundum equales vel inequales angulos ymaginem rei [illegible] quia [illegible] aristoteles videtur [illegible] quod yris fiat secundum circuli perfectionem. Et confirmatur quia sic [illegible] videtur [illegible] secundum circulationem [illegible] sol [illegible] eundem [illegible] non potest [illegible] yridem nisi in plenilunio [illegible] et [illegible] circulationis [illegible] quod [illegible] est [illegible] quia si una medietas esset super orizontem et alia infra [illegible] possit apparere yris [illegible] eclipsim solis

Questio est dupla et [illegible] aristoteles videtur [illegible] secundum [illegible] circuli et aristoteles [illegible] de semicirculo quod non fiat [illegible] semicirculo [illegible] semicirculus

Alia questio [illegible] videbitur [illegible] aliorum [illegible] videtur et [illegible] secundum [illegible]

Quinto [illegible] secundum [illegible] ponit [illegible] quod yris appareat secundum circuli perfectionem secundum se primo et [illegible] probat supponendo [illegible] in una questione de [illegible] in triangulo sic quod [illegible] sit sol et [illegible] oculus vel orizontibus et in [illegible] reflexionis puta altissimum et ad utrumque fiat reflexio ad equales angulos incidentie et reflexionis et [illegible] quod anguli sunt equales [illegible] secundum [illegible] circulationem ergo yris apparet sic circulus

Secundo arguitur sic [illegible] triangulus [illegible] in [illegible] linea [illegible] in [illegible] [illegible] patet quod [illegible] describit secundum circulationem

Tertio confirmatur quia ymaginatur [illegible] triangulus sic et triangulus [illegible] in [illegible] [illegible] euclidis [illegible] omnes alii trianguli sibi [illegible] equales qui [illegible] puncto [illegible] et in et omnes alie linee sibi [illegible] sunt equales [illegible] aliorum

Dimissa ista parte tanquam probata [illegible] ut melius [illegible] quia difficilis est [illegible] ut [illegible] dicit aristoteles [illegible] non [illegible] et [illegible] in antiqua [illegible] libri [illegible] sit [illegible] quia [illegible] ut [illegible] demonstratio secundum quam aristoteles [illegible] sunt [illegible] primo quod orizon est [illegible] dividens partem celi visam a parte celi non visa [illegible] super superficiem [illegible] [illegible] secundum [illegible] spere

Secundo supponitur quod semicirculus dividens hemispherium quod est super nostrum orizontem [illegible] oriente [illegible] occidente [illegible] cum semicirculus est medietas magni circuli [illegible] et [illegible] in [illegible] et [illegible] in linee oriente et occidente [illegible] fit

Tertio supponitur quod si due linee recte [illegible] una [illegible] diametri et [illegible] circumferentia eiusdem semicirculi [illegible] eiusdem semicirculi

Quarto supponitur quod sunt due linee recte [illegible] una [illegible] diametri

ad centrum celi in circumferentia eiusdem circuli abscisse protracte
ad quas duas lineas rectas concurrunt ad eundem punctum circumferentie
ac eiusdem oculi concurrendo in eadem superficie sicut patet in figura. Secundo
dico circa lineam magis centro suppono quod si plures linee reflexe que
due ab eodem puncto prius centro et circa diametrum concurrunt in
aliquo puncto superficie sicut circuli vel poribus equales et concurrunt in circumferentia
celi vel in circulo posito medio equali et ideo est triangulus arcus
in [illegible] patet quod non possunt propinquius vel remotius linea concedi quam
stante pro semicirculo ad unum locum mediato abscisse protracte puncta
pro diametro et centro linee in eadem superficie sicut patet ad unum puncto
concurrunt quod est in figura. Premissa suppositione Secundo suppono quod radii
luminosi [illegible] a sole oriente vel occidente faciunt piramidem cuius
conus est in puncto solis et diametri orizontis [illegible] piramidis et basis
est rotunda et circumferentia basis est [illegible] patet ponito eum quod sit sol
in oculo et in puncto reflectionis et guttula rorida in summitate ro-
tunditatis vel reflexionis apparitionis mediis ad quem punctum in [illegible]
[illegible] ab ipso et secundum equales angulos reflectuntur ad oculum [illegible]
eum ad ipsum non proveniet nisi in poribus quoniam [illegible] generantur
radii equaliter ab ipso distantibus super guttulas rorides in
aere. Tunc postea [illegible] quod si non fuerit impedimentum tunc
[illegible] apparet secundum perfectionem circuli [illegible] quia si non [illegible] propinquius
et remotius possent radii incidere et reflecti ad oculum quam apparet
in quo [illegible] quia si non propinquius vel remotius tunc est secundum circulos
et si est aqua ad [illegible] tunc [illegible] propinquior et [illegible] remotior et
[illegible] ad [illegible] magis ad unum abscisse puncto [illegible]
in singulis figuris aliquis circa circulum [illegible] plus [illegible]
propinquius vel remotius [illegible] suppositione [illegible] ab
eodem puncto [illegible] in linea in eadem superficie sicut patet concurrunt quod
est in figura [illegible] plus quia [illegible] sicut propinquius [illegible] an-
gulos incidentie et reflexionis non erunt undique equales quod est contra
[illegible] quod non possunt propinquius vel remotius
[illegible] secundum angulos equales distantie [illegible]
quamque ducta [illegible] linea recta a puncto in [illegible] linea
[illegible] directe [illegible] et [illegible] ad [illegible] in
[illegible] o quod sit in [illegible] quia tunc in o [illegible] circulus [illegible]
[illegible] loco refractionis vel reflexionis [illegible]
quod [illegible] vel reflexio [illegible] fiat [illegible] circulus vel [illegible]
quod [illegible] si non sit in [illegible] quod [illegible] in [illegible]
non attingunt [illegible] Contra [illegible] tunc non oportet quod in illa

linee ducte a [illegible] et a [illegible] erunt longiores quam est in figura [illegible]
[illegible] quod [illegible] in puncto [illegible] solis puncto
[illegible] oculi sicut apparet [illegible] vel [illegible] in puncto [illegible]
[illegible] vel medio. Secundo [illegible] quod [illegible] terra et orizon
[illegible] medietate celi [illegible] et [illegible] omnium circulorum maiorum
[illegible] concurrunt radii reflexi [illegible] sole oriente vel occidente apparet
non solum semicirculus [illegible] et sole elevato apparet [illegible]
[illegible] dicendum infra. Tertio [illegible] quod si elevata [illegible]
sit terra et [illegible] non erunt et oculus [illegible] in centro mundi et [illegible]
[illegible] sol sicut [illegible] oculus videret unum [illegible]
[illegible] Quarto [illegible] si oculus [illegible] posset [illegible] sit et [illegible]
[illegible] videret unum secundum circumferentiam completam [illegible] terra [illegible]
est [illegible] sicut [illegible] et non sit [illegible] sicut [illegible]
est [illegible] quod sit [illegible] circumferentia [illegible] sicut apparet [illegible] oculo quod
[illegible] superficie plana [illegible] sibi non potest apparere plus
quam semicirculus [illegible] si [illegible] oculo elevato
in [illegible] vel in monte altissimo sibi potest apparere multo magis
quam circulus [illegible] circulus completus sit [illegible] de [illegible]
quod potest magis [illegible] semicirculus apparere. Secundo [illegible] et
[illegible] arcus [illegible] quod [illegible] quod guttule [illegible] et
[illegible] quod superiores [illegible] radii [illegible] sunt equales
angulis reflectuntur sit [illegible] sit [illegible]
superioribus propinquiores et longiores linee procedunt a sole et re-
flectuntur [illegible] oculum [illegible] in equalitate linearum [illegible] in [illegible]
[illegible] in equalitate angulorum et incidentie et reflexionis [illegible] speculis
[illegible] quod [illegible] speculis [illegible] eundem solem
[illegible] possunt videre [illegible] guttule [illegible] speculum
[illegible] linearum [illegible] alias
[illegible] sit adequate vel equaliter angulorum incidentie et
reflexionis [illegible] speculis [illegible] speculorum [illegible] et [illegible]
[illegible] non sunt equales [illegible] non est [illegible] quod [illegible] lineas
rectas a sole productas super guttulas [illegible] quod fiat [illegible]
quod si [illegible] tunc ut potest [illegible] alia [illegible]
[illegible] rectas [illegible] non potest [illegible] quod [illegible] et [illegible]
est [illegible] non sit in eadem [illegible] solis et [illegible]
[illegible] oculi [illegible] non sit [illegible]
[illegible] non [illegible] quod rubedo [illegible] vel albedo debent appa-
rere secundum [illegible] sicut probatum est [illegible] non est proba-
tum quod [illegible] in linea [illegible] venat

[illegible]

[illegible]

et a centro mundi duae protractae lineae rectae usque ad [illegible] scilicet a cen-
tro solis et alia a centro mundi apparentis [illegible]

[illegible]

oriente vel occidente si quidem incidat radius qui obra capitis
directe procedit per [illegible] eque distante circumferentia quasi radius solis
qui circa obra capitis ad certam distantiam veniat sicut si certo
ponatur capiti aliquod umbrosum magnum rotundum apparebit. Consideres
modo quod si oculus esset in centro mundi et certa adiacet regio ista circa [illegible]
videret totam mundum et [illegible] esset centrum mundi et centrum in oculo et circa
in puncta circuit in eadem linea recta cum centro mundi. Secundo modo quod
si sol tenduntur circa [illegible] oculo in centro mundi apparet
[illegible] composita per certum sicut sol [illegible] per tenduntur
Tertio modo quod si oculus esset in polo artico [illegible]
oculo possit [illegible] apparere sicut [illegible] quemadmodum sol tenduntur
ad orientem per [illegible] [illegible] equinoctium seminale usque
[illegible] [illegible] [illegible] possit videre [illegible]
[illegible] directe qui [illegible] [illegible] in [illegible]. Et [illegible]
[illegible] circuit in eadem linea recta [illegible] sole super
orizonte ad orientem celi per [illegible] [illegible] septen
[illegible] videntur sole [illegible] septentrione [illegible]
[illegible] [illegible]. Consideres [illegible] [illegible]
quod [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] poli [illegible]
[illegible] [illegible] sit in eadem linea recta cum alio [illegible] punctis probatum
[illegible] [illegible] [illegible] [illegible] sint in eadem linea recta [illegible]
non est probatum de polo. Secundo si polus circuit in eadem linea recta tunc sole
[illegible] elevato super orizonte [illegible] oculo centro mundi et polus
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
non [illegible] [illegible] [illegible] [illegible] corpora [illegible] [illegible] non [illegible]
[illegible] [illegible] [illegible] parte et [illegible] tunc [illegible] [illegible] oculo videntis [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] non [illegible] sicut [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] oculo non [illegible] possit [illegible] in eadem
linea recta [illegible] [illegible]. Secunda [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] orizontis ut [illegible] est sint in eadem linea
et [illegible] [illegible] [illegible] [illegible] et [illegible] [illegible] quod [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] piramidem [illegible] [illegible]
[illegible] orthogonaliter et [illegible] [illegible] lineam [illegible] [illegible]
sint [illegible] [illegible] centra [illegible] [illegible] quod [illegible] linea [illegible] [illegible] protracta
procedat usque ad polum quod polus est quodam punctus in linea recta
[illegible] [illegible] [illegible] super superficie [illegible] [illegible] poli [illegible]
[illegible] linea [illegible] quod [illegible] [illegible] poli data [illegible] [illegible]
et data [illegible] [illegible] [illegible] [illegible] [illegible] quod si sol sit
[illegible] [illegible] et si [illegible] [illegible] [illegible] quod [illegible] [illegible] [illegible]
[illegible] [illegible] et non [illegible] [illegible] [illegible] de [illegible] vel [illegible]. Et

[illegible] sit sol [illegible] sic quod linea recta a sole procedens oculo directe ad
[illegible] [illegible] [illegible] [illegible] et superficiem [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]. Secundo apparet quod [illegible] possumus
[illegible] [illegible] apparere sursum [illegible] [illegible] [illegible] sic quod linea [illegible]
super superficiem [illegible] veniat [illegible] centrum mundi procedens oculo [illegible]
[illegible] [illegible] [illegible] [illegible] apparere quod sol [illegible] [illegible] [illegible]
sic quod [illegible] linea recta [illegible] veniens [illegible] procedit
[illegible] sol a superioribus veniat [illegible] [illegible] sursum non [illegible] apparere
[illegible] [illegible] [illegible] quod non est [illegible] [illegible] [illegible] [illegible] quod [illegible]
[illegible] [illegible] non [illegible] quod possunt [illegible] penetrare [illegible]. [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] ad [illegible]
[illegible] [illegible] tunc [illegible] non [illegible] diminuitur quod si oculus esset [illegible]
[illegible] non est [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] quod si [illegible] linea recta [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] quod radius frangitur. Dico quod licet oportebat
sic [illegible] [illegible] forte non faciat [illegible] [illegible] vel valde modica
[illegible] sufficit quod [illegible] non multum [illegible] [illegible] possibilia sint mathematica.
[illegible] dicta [illegible] [illegible] quod [illegible] [illegible] [illegible] [illegible]
[illegible] duo quod [illegible] sint [illegible] [illegible] et [illegible] [illegible]
[illegible] et [illegible] quod non [illegible] [illegible] [illegible] [illegible] sol et [illegible] quod esset
sit in eadem linea recta [illegible] [illegible] [illegible] [illegible] oculo [illegible] vel
[illegible] sint [illegible] puncta in eadem linea recta [illegible] [illegible] [illegible] et [illegible]
[illegible] [illegible] sint [illegible] [illegible] puncta in eadem linea recta licet omnis ille
[illegible] [illegible] in centro [illegible] et [illegible] [illegible] non est in [illegible] et [illegible]
[illegible] [illegible] [illegible] [illegible] et [illegible] [illegible]. [illegible] tunc [illegible] [illegible]
et halonis diameter [illegible]
sit [illegible] dupla ad dia-

metrum halonis. Et [illegible] primo quod non quod diameter halonis
[illegible] est [illegible] [illegible] sit quod halo est circa stellam [illegible]
[illegible] [illegible] a sole et luna et tunc diameter [illegible] est [illegible] sit
[illegible] [illegible] [illegible] non [illegible] [illegible] dupla [illegible] quod diameter
halonis [illegible] diameter [illegible] est dupla [illegible] et [illegible]
[illegible] halo apparet circa stellam [illegible]. Secundo [illegible] quod di-
stantia sol et luna [illegible] vel [illegible] [illegible] [illegible] esset [illegible]
dupla [illegible] quod distantia [illegible] sol et luna ab halone vel [illegible]
in quo apparet halo vel [illegible] in quo sit halo [illegible] est [illegible]
et [illegible] quod sol valde [illegible] distat vel [illegible] luna [illegible] et
[illegible] [illegible] distantia [illegible] [illegible] quod dupla ad distantiam [illegible]
[illegible] et [illegible] [illegible] [illegible] luna distat [illegible] [illegible]
[illegible] [illegible]. Et sit superficies [illegible] [illegible] [illegible] ab halone

sed halo abinde non multum distat ab eo, et ut puta quia non multum
distat plus abinde quam a loco videntis iridem quod est satis modica
distantia utpote parvitate miliaris sit gratia exempli quod iridis semicirculus appa
reat in edificia et visus unius qui edificia non multum distat ab ea
sit sermo gratia sui libri [illegible] quia ymaginando unum triangulum cuius conus sit
in puncto solis vel lune et trianguli sit a b c et procedat latus a b a
visu ad finem iridis usque terram que apparet semicirculus deinde et a c
latus procedat ad aliud finem iridis et ducatur c b linea basis trianguli
transiens diametrum iridis capiatur ergo linea d e equidistans alie c b
et c trianguli secans duo latera a c et a b trianguli a b c et
sit linea e d solis subdupla ad lineam c b supposito quod tunc ducetur dia
metrum halonis subdupla fere ad diametrum iridis tunc ymaginor
hic duos triangulos a b c et a d e isti duo anguli sunt anguli et
similes quia angulus a unius est equalis angulo a alterius et angulus b est
equalis angulo e quia contingit sibi [illegible] quod duabus equalibus lineis
equidistantibus supervenit tertia ergo per [illegible] primi euclidis sunt equales
et contingit per de angulo d quod sit equalis angulo c quod et per eandem
sextam ergo et isti sunt anguli [illegible] quod latera eorum
erunt sibi proportionata per quadragesimam sexti ad [illegible] sic se habet b c
ad d e sic se habet d a ad a d et ad a b sed d e sic se habent ad d c
et ad a b sed quia per [illegible] diameter iridis [illegible] d c est dupla fere ad
diametrum halonis [illegible] d c ergo sequitur quod distantia solis a puncto
quod est [illegible] diameter halonis et sit dupla [illegible] de luna ergo sol vel
luna in duplo plus fere distat abinde quam ab halone quod fuit pro
bandum et est in proposito [illegible] sic sequitur quod halo [illegible] magnitudinis
[illegible] videtur [illegible] magnitudinis [illegible] et [illegible] quia
videtur [illegible] quod halo est [illegible] [illegible] [illegible] elevato
[illegible] [illegible] apparet [illegible] [illegible] deinde
[illegible] sit [illegible] [illegible] iridis et [illegible] ergo
non [illegible] apparet iridis [illegible] magnitudinis ut halonis [illegible]
diameter est fere dupla ergo circumferentie [illegible] complete [illegible]
duple et [illegible] [illegible] sibi [illegible] quia [illegible] circumferentiarum
[illegible] ad diametros [illegible] [illegible] de [illegible]
[illegible] superficiebus [illegible] sic [illegible] quod halo apparet tunc sol vel
luna est in [illegible] elevatus quod [illegible] [illegible] apparere ergo non [illegible] dia
meter iridis est fere dupla [illegible] quia [illegible] dicitur esse dupla ad
[illegible] quod [illegible] sit [illegible] quia luna [illegible] [illegible]
et elevata ad medium celi [illegible] [illegible] tunc [illegible] deinde
apparere [illegible] [illegible] tunc iridis [illegible] et halo [illegible]
[illegible] [illegible] sic se habent quod diameter iridis est fere dupla
ad diametrum halonis [illegible] quia possunt fieri iridis [illegible]

[illegible] vel [illegible] super halones sic quod [illegible] non [illegible] fere [illegible] sic
quod apparet duo iridis [illegible] [illegible] inferiori iridis vel [illegible] [illegible]
iridis [illegible] est multum [illegible] diameter eius est multum [illegible] diameter
halonis ergo si tunc appareat halo non est fere subdupla ad diametrum
[illegible] iridis [illegible] non [illegible] quod apparet halo et iris diameter unius dicitur esse
dupla ad diametrum alterius [illegible] [illegible] sit. Septimo sic [illegible] [illegible]
quod [illegible] [illegible] apparent diameter iridis et halonis [illegible] non [illegible] diameter
[illegible] [illegible] quia [illegible] sic [illegible] [illegible] dicitur [illegible] [illegible] [illegible] quia [illegible] [illegible]
[illegible] halo sit [illegible] [illegible] [illegible] distantiam quod [illegible] [illegible]
montibus [illegible] sit iris faciunt apparere iridem [illegible] [illegible] [illegible] halo
sit tunc sol vel astrum est [illegible] elevatum [illegible] [illegible] [illegible]
et [illegible] non [illegible] [illegible] [illegible] distantiam apparere quod diameter iridis
[illegible] dicitur dupla ad diametrum halonis [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
astrolabium et [illegible] quod diameter halonis [illegible] [illegible]
[illegible] [illegible] et semidiameter iridis [illegible] [illegible] [illegible] [illegible] [illegible]
quod semidiameter iridis est equalis tota diametro halonis et [illegible]
[illegible] ad diametrum iridis sit fere dupla ad suam medietatem
sequitur quod sit fere dupla ad diametrum halonis [illegible] [illegible]
[illegible] angulum vel [illegible] [illegible] [illegible] qui sit [illegible] [illegible]
[illegible] dupla [illegible] quia [illegible] [illegible] diameter iridis est dupla
ad angulum [illegible] diameter halonis [illegible] quia [illegible] est [illegible] [illegible]
[illegible] et [illegible] [illegible] [illegible] quod est angulus [illegible]
[illegible] sit [illegible] [illegible] [illegible] [illegible] euclidis [illegible] [illegible] [illegible] [illegible]
iridis est dupla [illegible] [illegible] halonis [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] quod diameter iridis sit
dupla ad diametrum halonis [illegible] [illegible] et [illegible] quod [illegible] sit
sol [illegible] et [illegible] sit [illegible] [illegible] [illegible] et [illegible] sit [illegible]
[illegible] [illegible] iridis et [illegible] [illegible] halonis et [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] tunc angulus [illegible] est duplus
angulo [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] euclidis quia angulus super [illegible]
[illegible] [illegible] super [illegible] est [illegible] et [illegible] [illegible] [illegible]
[illegible] et [illegible] [illegible] est [illegible] est quia sic [illegible] apparet halo et angulus
[illegible] [illegible] [illegible] est equalis angulo [illegible] [illegible] [illegible] [illegible]
[illegible] est [illegible] angulo [illegible] [illegible] [illegible] semidiameter halonis
est subdupla [illegible] [illegible] semidiametro iridis [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] sit [illegible] [illegible] non [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] est quod [illegible] [illegible] [illegible] [illegible] [illegible]
si [illegible] [illegible] et [illegible] apparet halo [illegible] [illegible] [illegible]

Et similiter iris sive circumferentia completa vel utraque sive semicirculus
videtur tunc diameter iridis esset precise dupla ad diametrum ha-
lonis vel defectu possibili ita est quod simul et semel oculo existente in sup-
erficie orizontis appareat halo totus et semicirculus iridis Et potest in-
telligi questio quod si modo appareat halo modo solis vel lune et modo iris
appareat iris sive semicirculus maior tunc diameter ipsius halonis sit
precise dupla vel fiet subdupla si mutat ad diametrum iridis
ratione [illegible] est quam est possibile ut appareat maior halonis solis
vel lune existente oriente et eodem tempore et eodem oculo in superficie ori-
zontis appareat iris sive semicirculus maior tunc diameter unius primi
iridis sit precise dupla ad diametrum alterius scilicet halonis Videlicet er-
go est dubium supposito primo quod sit iris et quod halo et quod diameter iridis
et halonis et quod maior in quo apparet halo vel iris Deinde suppono secundo
quod circulus maior in quo apparet halo quanto est propinquior visui tanto
apparet halo maior et sit deinde secunda pars [illegible] quanto
[illegible] halo vel apparebit tunc in primo ad maiorem et magis propinquum
tunc apparet halo maior et similiter quod [illegible] magis ascendit maior apparet
halo maior Et similiter est deinde quod videtur in iridibus artificialibus quod
in primo sunt maiores et rotundiores in quibus sunt similiter [illegible] oculo
et quanto rotundiores grossiores sunt remotiores ab oculo tanto irides
apparent maiores secunde est similiter modo in iridibus naturalibus [illegible] supposito
sit prima conclusio quod possibile est diametrum iridis quamvis esse maiorem quam dupla
ad diametrum halonis sive simul sive successive appareat secunda pars
[illegible] quam in primo [illegible] halonis diameter est brevior et quam
maior [illegible] quod in dupla [illegible] sic habeat diameter
iridis ad diametrum halonis secunde [illegible] [illegible] secunde est
[illegible] est auctoris [illegible] [illegible] et sunt [illegible] allega-
tur [illegible] pars [illegible] ad [illegible] [illegible] quod non sunt [illegible]
[illegible] apparentis iridis diameter iridis est dupla precise ad dia-
metrum halonis secunde pars [illegible] [illegible]
in quibusdam [illegible] questione non [illegible] diametrum iridis
et halonis sive sit et absolute [illegible] ad occupandum celi gradum ut
si [illegible] per [illegible] vel [illegible] [illegible] distat
gradus ascendens oriente quando sol est occidente et [illegible]
[illegible] [illegible] altissimi iridis [illegible] [illegible] [illegible]
[illegible] [illegible] ducitur [illegible] oculi [illegible] iridis et [illegible]
[illegible] iridis usque ad [illegible] celi [illegible] [illegible] tunc distaret
[illegible] gradus ad [illegible] oriente tunc [illegible] semidiametrum iridis
occuparet [illegible] [illegible] diametro halonis sic quod quam
[illegible] quod diameter iridis occuparet dupla [illegible] ad gradus
quos occuparet diameter halonis et si diameter iridis

occuparet [illegible] gradus tunc diameter halonis solis [illegible] occuparet
et [illegible] [illegible] gradus occuparet diameter iridis de [illegible] gradibus et
similiter est de diametro halonis [illegible] quanta sit diameter iridis [illegible]
et absolute [illegible] [illegible] sit non est [illegible] [illegible] [illegible] [illegible] et distan-
cia sua [illegible] ab oculo et [illegible] [illegible] anguli [illegible] oculo et duobus
lateribus [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] sit
[illegible] in triangulo [illegible] diameter secunde [illegible] est [illegible] de
halone [illegible] [illegible] [illegible] halo distat ab oculo [illegible]
[illegible] [illegible] [illegible] auctoris [illegible] sunt de [illegible] [illegible] [illegible] et
est [illegible] circa solem [illegible] [illegible] [illegible] lune et de halone lune et
[illegible] [illegible] [illegible] potest [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] admitto [illegible] [illegible] [illegible] ita sit de [illegible] et ha-
lone sit [illegible] est et [illegible] [illegible] quod est [illegible] [illegible] [illegible] [illegible] et
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] vel [illegible] precise tunc distat
[illegible] est in [illegible] halonis [illegible] est distat ab oculo [illegible]
[illegible] est et [illegible] [illegible] angulum [illegible] [illegible] angulo [illegible]
et subduplum ad angulum [illegible] ut [illegible] [illegible] [illegible] [illegible] et
[illegible] in est [illegible] angulo duplo [illegible] sit dupla [illegible] [illegible]
[illegible] quod [illegible] [illegible] per [illegible] [illegible] [illegible] modo ad [illegible] est [illegible] et
[illegible] demonstrative [illegible] sit [illegible] aliis [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] quod est [illegible] [illegible] ut [illegible] [illegible]
ad [illegible] maior [illegible] triangulum a b c [illegible] latera a b et a c [illegible]
[illegible] [illegible] diameter halonis [illegible] [illegible] super [illegible] solis vel lune
[illegible] [illegible] distat [illegible] [illegible] [illegible] et [illegible] quod [illegible] de [illegible] est
subdupla c b in triangulo a b c quod [illegible] sit diameter halonis [illegible]
[illegible] et valde [illegible] [illegible] halonis [illegible] in triangulo a b c
[illegible] sit [illegible] [illegible] et [illegible] [illegible] dubio est bona [illegible] quod [illegible]
a b c est dupla linee a b et [illegible] linee [illegible] a c et sit declaratio
est quanta sit diameter non [illegible] ut [illegible] [illegible] [illegible] [illegible] sit ut [illegible]
quanta sit diameter iridis [illegible] [illegible] quod non [illegible] quanta sit [illegible]
[illegible] [illegible] absolute [illegible] [illegible] ad occupandum gradum celi
[illegible] longitudo digiti mei tunc posset occupare [illegible] celi quan-
tum longitudo unius valde [illegible] [illegible] vel [illegible] occuparet [illegible]
tum distaret [illegible] [illegible] est [illegible] et [illegible] [illegible] et [illegible] [illegible]
concludit quod non [illegible] halo vel diameter eius sic se habeat ad
diametrum iridis [illegible] subdupla precise secunde [illegible] et non [illegible] in-
telligendo [illegible] de iridibus artificialibus [illegible] naturalibus Et similiter est de
halone celesti et non [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
est [illegible] [illegible] [illegible] artificialis oculo existente in superficie

Conclusio alia vlt

orizontis [illegible] [illegible] [illegible]
iridis apparere [illegible]
[illegible] [illegible] vel oculo videntibus Et [illegible] [illegible] quod [illegible] [illegible] [illegible]

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dici longissime ubicumque homo fuerit ibi pt aqua pro medio
appare ideo ad ultra forcius fit i omni hora dici uel aquarum
dierum sic quod omni hora cuiuslibet dici artificialis Ubicumque fuerit homo sibi
pt pars puncto medio apparere qua tamen predicto sillogismo a maiori
sed ambo super eodem adrea parte qui i brumalibus diebus non tamen eleuatur sol
quod posset apparere tam aqua media sed i longissimis diebus sol
magis eleuatur auctor habito et septimo pt est qui i meridie
longissime dici quam in maiore difficile pt apparere medio
artificialis sit propter a dorsum gradus et naturalis quia tamen possibile arguo
i terra Secundo quod si terra non esset rotunda medium esset pleni
et sic tamen partem dici artificialis posset homo medio apparere
sed terra rotunde ipsa terra hoc non impedit secundum et nec et pt fieri quia
tamen rotunde antiqua parte quia si terra non esset et aqua non erunt et hoc
posset sic homo terra rotunde hoc potest est fieri homo hoc pt fieri et secundo
gradu qui super terram posset grosse vapores eleuari et quando quod
inflectitur radius secundum iuxta celi perifericam dato quod sol esset super
terminis capitis homo terra hoc non impedit Tercio sole existente in
meridie et super terminis capitis quorumdam puta in [illegible] affirmo
illorum et solem tales vapores eleuari quod appareat circumferen
cia solis secundum celi periferiam sic quod erit medius uel circumfe
rencia medius completa tamen quod secundum impressiones de meridie
quam si contrahet caligo fiet utique ab aqua uel ab aqua
a hominibus ingeo et sic videns quod apparet medius eorum in meridie
sicut quod est etiam lucernas et si pt medius sic fieri etiam candel
las sicut esset quod etiam aspicio uel sole i meridie et tales
vidit quintillo circa solem i distancia decem graduum circum
quaque i paduana secundum quod refert i commento celestis se
cundum agressie tunc qui vidit tales lxx medios ipse solem
quia nubes unda dyaffona erat interposita inter oculum
suum et solem Quarto sic si hoc non esset esset hoc quod sole
eleuato linea recta tamen fuit lxx puncta esset inprima
parte sub orizonte i tamen quod non amplius posset apparere
sed hoc est secundum quam tamen exdas sed pluitas primo qui non
posset quia inter i orizonte eleuari uel i edificio uel in
monte qui toto ibi descensus respectus et sic illi tunc
motu quod longissime dici posset medius apparere quod qualis i meri
die cuiuslibet altius dici Quinto sic ubi est dies unius dimi
dii anni ibi i omnia hora dici pt apparere medius igitur
i omnibus locis quamuis tamen quod ibi de [illegible] in predimetro
sed aut pt ex quaestionibus predictis quod istis qui sit in veruega

Cum sit homines polum mundi pro termino capitis pt apparere continue
circulum polum medius sic quod sol tollit pt ex ista parte In opposito cur
i terra circa finem tractatus de mundi et dicit tamen aut i moribus quod
diebus homines quam post equinoxium autumpnale continget sic fit vi
dere In longioribus aut diebus homines qui ab equinoxio altero ad
equinoxium alterum circa meridie non fit medius ex quo pt quod nobis
existentibus de parte septentrionali non omni hora dici artificialis pt
apparere porro medius Respondetur est primo quod in quantum addit omni
tempore cum cuiuslibet partis dici hoc intelligendo polum de tempore dici artificia
lis cum de tempore noctis quantum ad medius solis quia non pt sic de nocte
sic respondetur quod addit ubicumque homo fuerit qui de terra fuerit quod antiquis
temporibus sub polo apparet medius ad dimidium annum uel continue pt ap
parere de aqua contra medius sed fit non est de aliis qui habent plures dies
et noctes i dimidio anno pt fuit ille qui fuit parisius rome uel
colonie qui secundum illos difficultas cum impeditur medius i aqua hora
dici cum de aqua non ergo in tercia est quod de istis qui sunt sub equinox
iali uel equinoxiali ad polum arcticum uel qui sunt ultra equinox
iale usque ad alium polum antarticum et sicut locutus est hic arguitur hoc
respondetur est quod primo supponendum est quod lxx puncta scilicet centrum solis et
orizontis medius et polus sunt in eadem linea recta et hoc pt quod ex
positione priori Secundo supponitur quod centrum oculi in plana superfi
cie sine ista est centrum orizontis hoc est pt ex prioribus Tercio suppo
nendum est quod sole eleuato per lxx gradus super orizontem in quan
tum amplius polum medius centrum sunt i eadem linea recta per viginti
lxx gradus sublato orizonte hoc pt ex suppositione predicta et quomodo
predicta lxx supponendum est quod si dyameter medius ut amplius
predictas lxx gradus intelligendum secundum quod predictum est i puncta contra et
tamen lxx gradus intelligendum secundum quod predictum est allegata istis suppo
sitis suppositis pt per experienciam per se et causis allegata istis suppo
temporibus premissis pt prima conclusio talis quod quamuis sol non pt ele
uari super orizontem per lxx gradus cum omni hora cuiuslibet dici artifi
cialis aliqui pt apparere porro medius uel medius primo quia ubicumque
sol non tantum eleuatur ibi centrum medius et polus non tamen deficiunt
ut ex 2a et 3a suppositionibus Secunda prima conclusio i aqua pro medio
pt apparere super orizontem quod est contra aspectum Secunda conclusio
ubi sol pt plus eleuare super orizontem quod per quadragin
ta duos gradus in die artificiali i non omni hora cuiuslibet dici artifi
cialis pt apparere medius pt quia ibi pt tamen eleuatur eleuat ce
ntrum medius et polus per quadraginta duos gradus et amplius super orizonte

Ergo tu(n)c et amplius no(n) apparet nobilit(er) et tu(n)c erat
sy(m)mediam(en)te [illegible] ut p(atet) ex 2a suppo(siti)o(n)e sequit(ur) q(uod)
punct(um) vert(icis) erit tali(ter) sub orizonte quod [illegible]
quib(us) alia pars que no(n) p(otes)t aqua p(ro)pt(er) vert(icis) apparere. Ex
i(st)is duob(us) [illegible] p(atet) visio ad q(uo)d s(ed) q(uod) no(n) est hoc esse
in t(er)ra medio p(re)d(i)c(t)o [illegible]

Ad q(uod) in t(er)ra medio p(re)d(i)c(t)o ut in latitudine finita tam multiplicatur
parit(er) in titulo q(ui)nt(o)s pacat in terris. [illegible] in s(e)c(un)do
[illegible] q(uod) [illegible] sub c(irc)ulo noctiali in plana t(er)ra no(n)
p(otes)t t(em)p(or)e equinoctii p(ro)pt(er) 3 horas ab ortu sol(is) vert(ex)
apparere ut an occasum [illegible] q(uod) p(otes)t q(ui)a sol tunc [illegible]
arcu(m) [illegible] vigint(i) [illegible] gradus et a quasi hora sol erit p(er)
[illegible] gradus ut [illegible] in respectu quantum ad aspectum [illegible]
[illegible] hor(is) erit p(er) quadraginta quinque gradus [illegible]
sequit(ur) [illegible] hora sol erit alt(ius) q(uod) no(n) p(otes)t
apparere aqua p(ro)pt(er) vert(icis) [illegible] an occasum solis p(er)
tres gradus. [illegible] in s(e)c(un)do [illegible] q(uod) p(er)
horas sex diei artificialis ipsi no(n) p(ote)rit aq(ua) videre
[illegible] p(atet) [illegible] vel p(er) tres p(ro)pt(er) [illegible] in s(e)c(un)do q(uod) [illegible]
[illegible] in tropico estivali no(n) p(otes)t omni hora [illegible]
diei artificial(is) apparere vert(ex) q(ui)a sol erit ele-
vat(us) plus q(uam) p(er) quadraginta duos gradus [illegible] medie(tate)
[illegible] alia [illegible] in s(e)c(un)do [illegible]
[illegible] poli sup(er) orizonte(m) et [illegible] elevat(ur)
sol [illegible] sole (con)iuncte in medio
e(ss)e p(otes)t [illegible] apparere vert(ex) vel p(ro)pt(er) vert(icis) [illegible]
[illegible] no(n). Ex isto [illegible] in s(e)c(un)do q(uod) in [illegible]
[illegible] p(ro)pt(er) vert(icis) [illegible] p(otes)t [illegible] apparere [illegible]
i(n) plana sup(er)ficie [illegible] in ortu vel occasu [illegible]
[illegible] p(otes)t apparere [illegible] sole (con)iuncte in medio. Ex isto
in s(e)c(un)do q(uod) [illegible] alt(issim)is vert(ex)
vel [illegible] apparere [illegible] magn(us) [illegible]
[illegible] omnes [illegible] fugient(es) [illegible] p(atet) [illegible]
[illegible] Ad rat(iones) p(ri)ncipal(es) ad p(ri)mam nega(tur) q(uod) i(n) quol(ibet)
orizonte [illegible] ad p(ro)p(ositum) [illegible] dico q(uod) q(uo)d

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[illegible] [illegible] artificio [illegible] ut [illegible]
[illegible] in [illegible] quantu(m) ad omnia s(ed) [illegible] quantu(m) ad [illegible]
[illegible] [illegible] alias [illegible] q(uod) vert(ex) [illegible]
no(n) e(ss)et [illegible] ut [illegible] artificiali. Ad 2am q(uod) [illegible]
[illegible] nega(tur) [illegible] q(ui)a [illegible] t(er)ra [illegible] t(er)ra
impedit et similit(er) in [illegible] p(otes)t i(n)venire. Ad p(ro)p(ositum) [illegible]
[illegible] t(er)ra no(n) p(otes)t e(ss)e [illegible] [illegible] licet no(n)
[illegible] nega(tur) q(uod) [illegible] no(n) impedit s(ed) [illegible] q(uod) no(n) im-
pedit [illegible] p(otes)t [illegible] [illegible] sunt [illegible]
[illegible] no(n) [illegible] alias no(n) [illegible] q(uod) [illegible]
[illegible] t(er)ra tot vapores [illegible] dico q(uod) si [illegible] poss(et)
[illegible] tu(n)c no(n) reflecteret radiu(m) ad oculu(m) [illegible] in plana
sup(er)ficie t(er)re licet forte ad oculu(m) alicui(us) [illegible]
[illegible] vert(ex) altissimi [illegible] reflecteret. [illegible] ad
[illegible] illud q(uod) allega(tur) [illegible] q(uod) ipse loqu(itur)
[illegible] in [illegible] ut [illegible] at in [illegible]
[illegible] [illegible] soli. Ad 3am dico q(uod) [illegible]
[illegible] [illegible] dico [illegible]
[illegible] sit p(er) [illegible] q(uod) vert(ex) q(ui)a [illegible] sit p(er) reflexio(n)em
[illegible] s(ed) tu(n)c verit(as) [illegible] q(uod) [illegible] et apparet
[illegible] oculo orizonte [illegible] et
appareat [illegible] alias i(n) omni hora [illegible] diei possit ap-
parere vert(ex). Ad q(uo)d dico q(uod) [illegible] [illegible]
sit illa [illegible] puncta [illegible] sub orizonte. Ad [illegible]
[illegible] q(uod) [illegible] possit tu(n)c elevari i(n) edificio [illegible]
[illegible] in plana sup(er)ficie t(er)re. Ad [illegible]
[illegible] dico q(uod) [illegible] sit intelligenda [illegible] no(n) [illegible]
[illegible] in [illegible] sol p(otes)t elevari ult(ra) quadraginta
duos gradus [illegible] [illegible] dico ab
orizonte q(uod) in [illegible] no(n) p(otes)t fieri [illegible]

Questio alia [illegible] vert(ex) [illegible] appa-
[illegible] q(uod) [illegible] in [illegible]
[illegible] [illegible] [illegible] sol
[illegible] p(ri)mo q(uod) no(n) [illegible] in [illegible]
[illegible] [illegible] alii [illegible]
[illegible] q(uod) vert(ex) [illegible] no(n) vide(tur) [illegible]
[illegible] illa [illegible] no(n) [illegible] et no(n) [illegible]
[illegible] [illegible] vel [illegible]
[illegible] no(n) [illegible] quinquaginta [illegible] et [illegible]
[illegible] [illegible] [illegible]

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veteris translat.

Ar(istoteles) i(n) talib(us) p(ost) tractatu(m) de i(m)pressio(n)ib(us) q(ue) fiu(n)t p(er) somnu(m) ut [illegible]
q(uod) i(n) nocte fiat aliud et quid(am) at(que) putabat q(uod) no(n) fiat
i(n) nocte lu(n)a(r)e at ponebat p(ro)pt(er) varietate(m) latebat e(ni)m
ip(s)e [illegible] fit t(ame)n t(ame)n [illegible] aut(em) q(ui)a i(n) nocte latet colo
res et multa alia et co(n)sid(er)are q(uod) o(mn)ia videt(ur) i(m)pedire i(n)
plenilunio [illegible] posse fi(er)i et alba(m) [illegible]
[illegible] p(ro)pt(er) q(uod) i(n) q(ui)nquaginta a(n)nis [illegible] vi(dimus) bis [illegible]
[illegible] simul fieri [illegible] q(ui)a no(n) p(otes)t fieri [illegible]
ut pl(ur)es q(uam) bis q(ui)a t(ame)n [illegible] p(ro)pt(er) q(uod) s(ed) [illegible] fieri [illegible]
ma(n)ifeste vi(de)t(ur) [illegible] o(ri)e(n)te luna i(n) plenilunio [illegible]
[illegible] luna [illegible] vi(dimus) [illegible] q(uonia)m t(ame)n p(ro) [illegible]
allegatio(n)e q(ui)a [illegible] et co(n)sid(er)are [illegible] fiat
[illegible] p(ro)pt(er) q(uod) luna o(ri)e(n)te v(e)l [illegible] i(n) pleni(lunio)
[illegible] sol v(e)l [illegible] et t(un)c e(st) a(er) lux ex o(mn)i
p(ar)te lune i(n) celo et i(n) nubib(us) [illegible] ex o(mn)i p(ar)te lux
igit(ur) p(ro)pt(er) nimia(m) luce(m) no(n) p(otes)t apparere debile lume(n)
lune reflexio(n)e et refractio(n)e q(ui)a lux sol(is) i(m)pedit lume(n)
lune et lume(n) stellar(um) ut p(atet) p(er) exp(er)ie(n)tia(m) i(n) die [illegible]
[illegible] forte nubes [illegible] ita densi v(e)l nubes [illegible]
[illegible] q(uod) lume(n) solis no(n) p(otes)t eas penetrare et
p(er) [illegible] i(m)pedire [illegible] eode(m) t(em)p(or)e eade(m) [illegible]
i(n) die [illegible] ita [illegible] nubes [illegible]
illud [illegible] posse [illegible] q(uod) [illegible] exp(er)i(mentu)m [illegible]
dato q(uod) p(otes)t nubes [illegible] p(ar)te celi [illegible] ad [illegible]
[illegible] no(n) obstantib(us) nubib(us) [illegible]
q(ui)a umbra t(er)re no(n) [illegible] elevata q(uod) possit i(m)pe
dire lume(n) solis [illegible] sol [illegible] dato q(uod) sol e(ss)et
[illegible] orizo(n)te [illegible] g(ra)d(us) v(e)l p(er) q(uin)q(ue) v(e)l
p(er) dece(m) [illegible] i(m)pediret [illegible] luce q(ui)a [illegible]
[illegible] luce sol(is) i(n) [illegible] sol
[illegible] orizo(n)te [illegible] posse apparere i(n) de
[illegible] q(ui)a no(n) apparet [illegible]
i(n) plenilunio ut [illegible] i(n) t(ex)tu q(uonia)m t(ame)n q(ui)a
alias [illegible] no(n) p(otes)t videri p(ro)pt(er) [illegible]
[illegible] q(ua)lit(er) pl(ur)ies appareat q(uam) bis i(n) q(ui)nquaginta a(n)nis
[illegible] valde [illegible] contingit q(uod) sit plenilunium
v(e)l [illegible] sol [illegible] orizo(n)te [illegible]
[illegible] et luna o(ri)e(n)te et sic forte poterat [illegible]

In oriente [illegible] q(uod) no(n) pateat n(isi) bis co(n)tingere [illegible]
[illegible] [illegible] i(n) plena oppositio(n)e [illegible]
[illegible] posse [illegible] apparere ab [illegible] aliis stell(is)
[illegible] [illegible] [illegible] q(uonia)m t(ame)n q(ui)a i(n)te(r) [illegible] stelle
[illegible] lume(n) [illegible] i(n) umbra q(uod) ad [illegible] sol
[illegible] i(n) celi q(ua)ntitate t(ame)n [illegible] apparet v(e)l i(n)
[illegible] luna [illegible] apparente [illegible] apparent [illegible]
[illegible] i(n) [illegible] luce apparet sola [illegible] apparet [illegible]
[illegible] [illegible] [illegible] ita [illegible] p(otes)t [illegible]
[illegible] [illegible] apparet [illegible] luna [illegible] ad
exp(er)ie(n)tia(m) q(ui)a [illegible] videtur [illegible] In
oppositu(m) [illegible] videt(ur) [illegible] luce [illegible]
pl(ur)ies apparere q(uam) bis i(n) q(ui)nquaginta a(n)nis [illegible]
[illegible] [illegible] videt(ur) sol [illegible] videbu(n)
[illegible] luce [illegible] [illegible] solis
[illegible] p(er) exp(er)ie(n)tia(m) q(ui)a luna [illegible] semiplena
[illegible] ad [illegible] p(otes)t apparere [illegible] luce [illegible]
si [illegible] q(uod) semiplena [illegible] luna elevata [illegible]
apparebit [illegible] sup(er) [illegible] [illegible]
p(er) exp(er)ie(n)tia(m) [illegible] sic [illegible] luce p(otes)t apparere luna [illegible]
[illegible] elevata p(er) viginti g(ra)d(us) [illegible] plena [illegible] luna
[illegible] [illegible] no(n) i(m)pedit [illegible] pl(ur)ies [illegible]
[illegible] q(uam) bis i(n) [illegible] a(n)nis [illegible] q(uonia)m t(ame)n [illegible] ad
[illegible] q(uod) luna elevata p(er) viginti g(ra)d(us) [illegible] luce
[illegible] p(er) viginti g(ra)d(us) [illegible] orizo(n)te [illegible] g(ra)dib(us) [illegible]
[illegible] [illegible] ad [illegible] [illegible] pl(ur)ies [illegible]
sit [illegible] q(ui)a p(otes)t fieri i(n) [illegible] [illegible]
[illegible] [illegible] q(uod) [illegible] bis videt(ur) [illegible] lune
In [illegible] videndu(m) [illegible] [illegible]
lune [illegible] ad [illegible] [illegible] sit [illegible] sunt
d(ic)i [illegible] solis [illegible] reflexio(n)e [illegible] refractio(n)e radior(um) i(n) nube
[illegible] v(e)l [illegible] [illegible] [illegible] q(uod) i(n) eade(m) linea
[illegible] [illegible] videt(ur) [illegible] lune [illegible]
[illegible] luna fuit i(n) o(ri)e(n)te q(uod) [illegible] apparent [illegible]
sup(er)ficie orizo(n)tis [illegible] luce [illegible] [illegible]
[illegible] [illegible] maior [illegible] p(er) sup(er)ficie(m) [illegible] luna
sit [illegible] elevata et [illegible] [illegible] elevata
[illegible] q(uod) lume(n) luce debilius est

lune solis respectu debilior sit reflexio et refractio alia
quam a sole. Istis suppositis sit prima conclusio quod iris lune
raro potest fieri quia raro omnes cause sufficientes possunt in
eadem [illegible] impedita illa conclusio patet quia positis causis statim
sequitur effectus. Secunda conclusio iris lune plures potest apparere
quam bis in quinquaginta annis tamen in [illegible] quod in
eadem patet quia sepius [illegible] videri potest [illegible] et post [illegible]
quam bis in quinquaginta annis [illegible] quia tamen [illegible] patet quia per ex-
perientiam [illegible] situatos de nocte [illegible] quia homines [illegible]
de nocte tempore [illegible] splendente luna respiciunt celum [illegible]
[illegible] parte lune quod sic potest discerni [illegible] si respiciunt an-
[illegible] plures ambulant [illegible] edificia [illegible] impediunt
ne iris lune sepius eis appareat [illegible] omni tempore lune
lux est apparens quando luna est semiplena [illegible]
[illegible] solis [illegible] media nox [illegible] tempore homines dormiunt
[illegible] lux valde debilis quod nox [illegible] reflexio se-
[illegible] Item quando luna est semiplena [illegible]
solis [illegible] media nox [illegible] in medio celi semiplena
[illegible] impedit lucem eius
[illegible] fiat [illegible] plene lumen luna [illegible] oriente [illegible]
[illegible] occasu [illegible] solis [illegible] distantie quod ra-
dii solis non impediat [illegible] celo
[illegible] plane [illegible] potest apparere iris lune [illegible]
[illegible] apparet [illegible]
[illegible] videre lunam [illegible] quod vere
[illegible] ad videre lune [illegible] ad [illegible] solis
[illegible] quod iris lune non [illegible] apparet [illegible]
iris solis [illegible] apparet [illegible]
[illegible] iris lune apparet in medio de coloris albi [illegible] iris
solis apparet de coloris viridis et forte quod [illegible]
[illegible] potest apparere duo [illegible] lune [illegible]
[illegible] debilitate luminis lune [illegible]
iris lune [illegible]
[illegible] ad [illegible] sit [illegible] ascendente [illegible]
descendente ut possit [illegible]
[illegible] circulis [illegible] solis
[illegible] plus [illegible] ab [illegible]

[illegible] atque [illegible] arcu de [illegible]
potest durare quod [illegible] debile lumine lune non potest
dissolvere [illegible] vapores [illegible]
[illegible] appareat halo [illegible] lune [illegible]
[illegible] non [illegible] apparet [illegible] potest apparere duo
[illegible] lune [illegible] luna [illegible]
[illegible] plena [illegible] semiplena [illegible]
apparere [illegible] videns [illegible] circa [illegible]
[illegible] oriente [illegible]
[illegible] apparet
[illegible] apparere [illegible]
[illegible] lune [illegible] videns [illegible]
[illegible] Ad rationes [illegible]
[illegible] atque [illegible] expositis [illegible]
[illegible] translationis quod non [illegible] intelle-
[illegible] nova translatio [illegible] nisi bis
[illegible] quinquaginta annis [illegible] sit plures et
non [illegible] possit [illegible] plures [illegible]
[illegible] quod ex radiis solaribus [illegible] plures
[illegible] lune plures [illegible] posse
[illegible] sepe visum [illegible] septentrionales [illegible]
sepe [illegible] viderunt lune [illegible]
[illegible] in Almania bis in uno anno [illegible]
[illegible] Ad aliud [illegible]
[illegible] non [illegible] oriente [illegible]
[illegible] oriente [illegible] distantia [illegible]
[illegible] ita quod non [illegible]
[illegible] apparere [illegible]
[illegible] iris lune in meridiana linea [illegible] luna sit
[illegible] Ad tertiam [illegible] plures quod bis [illegible]
[illegible] potest apparere [illegible] plena quod [illegible] appareat iris
[illegible] debile lumine [illegible] quod non
ad [illegible] reflexio apparere
[illegible] debile [illegible]
[illegible] ita [illegible] quod non [illegible] luna sit plena
[illegible] potest apparere [illegible] oriente [illegible]
[illegible] solis [illegible] ascendente [illegible] ortu solis
[illegible] non [illegible] usque ad
[illegible] Ad [illegible] eadem [illegible] debilis
lune [illegible] sensibile [illegible] reflexio luminis [illegible] stellarum

Nō est mīti ſenſibilis in tanta diſtancia vel ſaltem in-
ſtrꝰ ſi lūa eēt ſub tanta mediata quāte appārent ſit
ie ſtelle hīc nō tam faceret videre ꝛ in tenuida ē q̄ſi ad ū
in ea ꝯōne d'inde appāta qm̄ eclipſis ꝫ i meᵒ vel
locū videt ꝛ lucē ꝛ nō d'inde vel media vel lucē
ꝛ radiū qꝛ tꝰ pōt appāre ꝯpleta ſicut re q' ꝫ ꝯpe ſo
lē ꝛ lucida in colorib; ꝛ tūc nō ſiet p'tea reflexi
ōne tolli' ꝑ mag' p' r'ſtratā vt ex ꝑciencia doꝫ
ꝛc ꝫ questio ꝛc Item visa videt ꝛ ſole vel aſtro

33 Questio alia

elevato nobilit' ſup ori-
zonte appāret maior ꝑ̄
in ſine orizontis ꝛ p̄o arguit qꝛ nō q' ſi ſic hec mag-
ie videt' ꝓpt' aoꝝ denſitate vaporis vndi mag' ē
ſragilis līne ſolis mag' ſi ſol eēt in orizonte q̄
ſi eēt elevatꝰ qꝛ ꝯ ſlꝫ ſca tꝫ qꝛ ꝯpoſitoꝝ
hꝰ tbꝫ cēdūt eoꝝ hꝰ avīt ſo ꝛ arꝰ gwitillo
i ꝫ o libro ꝑſpēctive i q'nto ꝯclōnis ſeptuageſie
ſeptie v' dicit qꝛ ſole ꝯtē i pꝑīſeria orizontis
aer ē groſſior ſe ipſo ꝑte mag' ꝑ ſol ꝑrītam
ſubtiliata pala aut ꝫ qꝛ i iſto groſſior ac aer
ſit r'ſtrans appēdiculā radiꝰ ac r'ſtacti mag' appa-
rent q̄t' appēdiculā qꝛ poſt mō aere ſubtili-
ato a pſtitas p' vna ſole ꝯtē i ꝑīſeria orizontis
ꝛ apparētibꝫ duobꝫ videbꝫ quoꝝ ſines ſut ı pꝯ̄
ſupſiac tēc appāret i equalitas ꝯſeruaciōis ꝛ hꝫ
eſt equalis denſitas aeris i vaporꝰ vndānd ꝛ
ſo ſicut ꝑ'us dēꝫ ē i eodē loco denſitatis aeris
vbi vnū appāret ꝛ ē ſupē ſine orizontis vbi
alti' diſtati appāret ſimꝰ ꝛ aīe ſo tꝫ denſitas
nō ꝯ ꝑt' denſitatē Rᵒ ſi ſic hec maxīe vi ꝯ̄ ꝯ-
tato qꝛ radiꝰ i adētꝰ ꝛ pīamida radioſaꝫ mag'
declinaret ꝗ appēdiculā ſole ꝯtē elevato qꝛ
ſole ꝯtē i pꝑīſeria orizontis ſꝫ hec ꝫ ſlꝫ ꝯᵃ ꝫ
ꝑ gwitillonē v' ſup dīt qꝛ eꝰ nō ꝯ adidē ꝑc-
ſtcare ꝛ ſrange qꝛ i octaua cōdiāꝫ qꝛ denſitas
angulorꝰ r'ſractōis eēt ex denſitate dyaphonia-
tatis i aplanorꝰ corporis cuiꝰ ſpēi aer ſit r'-
ſracta ad ꝑpendicularē ꝛ aqua groſſior qꝛ i aque
ſubtiliāt ꝫ ſlꝫus ꝑ' qꝛ appāta vbiꝫ appāret oclo

N r'ſractōꝫ dū ſit ex ꝯto oclo vel meᵒ ꝯmibꝰ nō ſine
r'ſractione ꝯuēt' ꝛc tūc tꝰ r'ſractio ſit in aerē
vel in more angulū hꝰ in q' pōt ꝯpꝰie vel ſilē vt ex
mediū aereū mag' ē dyaphonū vel rōnē ſole
elevato ꝑius eēt ꝑt ē mag' denſū ꝑpt' aerē
plinuā vel ꝑpt' aere elevatū vaporis ꝓpe ꝛ tūc tꝛ
ſol ē elevatꝰ Item ex alio qꝛ aer r'ſractōe ꝑpendi-
cularis ſit in denſiori medio ꝓpe ꝛ ideo ꝛ nō ex q̄
ibi ſit axis ꝑ'amidis radioſe ſuſſiceꝰ ymagīnat' ꝑ
oꝯꝫ ſꝫ eēt i ymaginada v' radiꝰ obliꝫ incidit
ſup guttulā ſpecierū ſꝫ ſup linea ducta ab iſto pūc-
to in adēme i pſectū ſpeculi ꝛc dicit' ſi ſit maior
vel mior hꝰ ꝫ d'uare Tercio ſi ſic tūc elevato ſo-
le ꝛ dato ꝑ ymaginacōꝫ qꝛ tꝰ tra amoue ꝛ nō eēt
totiū ꝯpēdiū plenū aere vaporoſo ꝛ hꝰ ſic ſuiſſꝫ
ſi tra maſiſſet tūc appāret tota circumſeria aer
appāret qꝛ ſole ꝯtē in alia ꝑte ꝓpe orizonte ſꝫ
qꝰ ſlꝫ ꝯꝰ ꝑꝫ exlꝰc qꝛ tūc vndiqꝫ appāret ꝯqlit'
ꝛ circū ſolūcē vt ſol ex oto ſolis vel appāret eius ſol-
ui vt oꝯꝫ ꝯpꝰ ꝛ eēt aer in i a ꝑte qꝛ i ꝑ'a'ꝛ
nulla tū eēt quāre aer quā tꝫ qꝛ ſicut ꝑ'ma ſol
vel elevatꝰ facit appāre aerē ꝑ ꝯꝫ circuli a oriꝰ
ita eēt facit appāre aere circulū ſi nō eēt impedi-
mentū Qrto ſi ſic tūc aliquo elevato i alꝰ edifi-
cio ſꝫ in mōte ſine ſole elevato ſꝫ nō multū
ſup orizonte qꝛ iſti ſic elevato appāret ꝛ ē aer
in eadē ꝯparōe ꝛ maioris circumſerēce ꝑ'ꝰ ſi appa-
ret qꝛ alti' appāti ſup ſepiac orizontis ſꝫ qꝛ ꝫ
ſlꝫ ꝛq eēt ꝯſꝑiencia ipꝫ alicui deſcēdēs ꝛ ad
ꝑ in ſtrūta pōt appāre i vemē ſi quā ꝑ'ꝛ q'ꝛ q
aſcēt hꝰ ſole mag' elevatū vel ſaltē hꝰ ꝑ pūc-
ta q dīt eē in eadē linea vera eēt vlto mag'
elevata quād ad tā pūcta ſꝫ vndꝫ ꝛ ſoli ꝛ ad ci-
ꝛ ſi ꝑpt' hꝰ appāret aer hꝰ ꝑꝑ'ter elevato ſi ſic
hꝰ maxie videt' ꝑpt' radios lꝰ'nolꝰ vel ſolem
ꝛ etu ſeruāꝫ ꝛ ē tꝫ ſol ꝫ elevatꝰ qꝛ ꝯꝑ ē in
oriente vel i pꝑīſeria orizontis qꝰ eſt ſlꝫ

Et quia tamen expertum est quod apparenter Symone bislacomis
qui fuit medicus regis Francie sed scedula mittit eidem cum
si quibus secundum stellam quod ipse distancia solis et circumferencia videtur
equaliter distat sicut patet per differenciam poli data et cetera non
per ipse hic gwitellonis racionis solis per aerem distanciam des
tract quod visus fiet quod tamen est stellarum et cetera tamen declinat si
mutatis circumferencia videtur quanto elevatur sol ex alia parte
per astrolabium patet apparenter. Secundo si sic tunc cetera in
multis artibus solem elevatum magis super orizontem et appa
ret circumferencia quibus secundum stellam et experiencia quanta tamen
non videtur aer raro de uno quod de alio ceteris paribus utrumque
procedenti. Item sicut credens tales prima huius sequitur de posse
omnibus circumferencium pro sic elevato et super solem vel astro
labii aerem hoc apparet pro circumferenciam permittit sicut et
reddere cum prius hoc non apparet maiorem prout quod cedit
tamen aliarum circumferencia quod reddat tamen hoc satis defalcare
videre quod patet cum lineam unum puto quod cum eius potest et quod sol
et experiencia passus experiri quod elevato sole per vigi
ti gradus super orizontem quod non sit viginti gradus et experiencia
circumferencia videtur vel supprima approximari orizonte quod
habemus sic sol in oriente et semi circulus et videre appa
rentibus et hoc apparet hoc quod cum sole elevato per polis
videtur appareat sub orizonte vel sole per tot gradus per quod
sol est super et super centrum videtur quod sit tradi gradus in altis
simis punctis videtur quod plures occupat gradus secundum quam
et videtur sole circumferenciam elevato super orizontem quod sole
circumferencia in precisione orizontis tamen puto et cetera vero solem
et reliquo de experiencia. Secundo tamen quod patet cum eius quater
elevatus appareat per gradum propinquiore vel remociore
vel quantitatem hoc aliquas secundum defalcare videre patet tamen cum
quas ponit gwitello vel propter maiorem densitatem
vel raritatem non videtur ad unum et cetera quod patet hoc tamen quod visus appa
reat circulus obliquus cum prope terram erit et apparent de
sicca vapores quod semper tamen magis propinqui erunt partes
aeris versus terram quod in fines circulo decret et cetera quod apparet in
experiencia patet de ea circa cedit et cetera si sic tunc cetera arti
ficialiter maior esse videtur apparere visus in coniunctione de
sicco quod sub tali hoc tamen non videtur et cetera quod patet sicut
prius alligata in prima parte ista. Item hoc et verum probatur.

Experienciam multa me monente quod considerarem ceteris paribus
tamen vitaliores quod in yeme quam in estate spirando vel insuflando
aerem videtur quod aer iste sit dubius et vapor cum tamen circa
speciem vel ad alios aspectus et tamen ille vapori aere appa
rebat maior pro circumferencia celi quod in grosso aere et ipse
dicat apparenter de tamen hoc sic visus sic valent probarent
apparenter alius experiencia quod circumferencia patet ergo dicta supposito
ex quo dicta sunt in aliquibus quibus de quatuor punctis circumferencia
terra et cetera de elevacione solis supponitur ulterius quod aer ipse
terram secundum grossior magis propinquus cum exhalacionibus et vapo
ribus aliud patet propter hoc cum mane videtur quod sol ipse circa
orizontem apparet nobis aer quod plures vapores et exha
lacionis nobis apparet quod sic et in meridie celi et cetera sole polis
elevato et splendente super terram consolidantur super quibus
plurimis descendentes sic et cetera ipse apparencionis videtur
patet ex predictis consideracionibus tunc sole splendente super terram aliquo
causant vapores in infima parte aeris qui non ita alta
possunt elevari ideo tunc apparet aeris supponens quod sterilem
refrigerio omnis apparencia videtur dum patet in meridie densioris
apparens relatius se defendit quod eciam patet in mane valde et ab
talibus. Et illa supposita patet per experienciam tamen inducta quam
gwitellonis. Sit ergo prima conclusio quod sole orizonte elevato
super superficiem planam apparentem quemque de videre apparet pro
bar quod maioris circuli quod apparent cum sol fuit in tantis
orizontibus et quod quemque radii in aereis reflexi refracti
ad dispositionem aeris et densitate aeris producit quod a ipse
et quod sol non secundum elevatus et cetera quia circa suppositam permissa
et cetera sole circumferencia conclusio quod sic fiet in multis artificibus
quem dispositi mane sicut aere et sic et cetera et in naturalibus
quanta tamen per hoc quod semper deinde in aliis. Secunda conclusio quemque patet
apparere sole elevato pro circumferentia habet equaliter et
cetera ipse arcus vel arcus huius hoc racio contingat et cetera
aequaliter in orizonte disposicione meridie ipse tamen hoc est a quo
cum quod tunc apparet pro aeris circuli et cetera quia tamen quod
de sicce cum defecit refrigeris excepto in meridie circumferencias
tercia conclusio quod apparet sic quod sic aer conclusio et defecit successive
uniformiter per tempus et ceteris permanentibus equaliter videtur et cetera
et quod sic et cetera fieri diminui et cetera conclusio patet satis tamen cum

Et hec non sit irregularis densitas vaporum et si sit irregularitas fe-
nidis sic quod non sit in circulo perfecte non apparet impedimentum
nec etiam in semicirculo hec non videtur magnus licet ius contingat tamen
vel tota irregularitas appareus in vapore in figura nidis Et sic
ex istis patet quid sit dicendum ad questionem quia sic
est quod apparet minor porcio maioris circuli sole
elevato frequenter causis concurrentibus et non aliter. Ver-
um contra illas conclusiones et que dicta videntur esse
illud quod contra Guillelmum post oppositum allegatum
de irregularitate figure dico ad hoc est di-
cendum quod regularis figure sit propter
irregularitatem materie | Ad raciones principales

Ad racionem principalem negatur prima consequentia ad probationem de que autem
et ad Guillelmum etc. Dico quod licet solis porcio non faciat me-
dium rarius et subtilius sed propter in aere permixtum plu-
ribus vaporibus tamen simul est densius quod aer sunt sole opposi-
to in ortu vel occasu sicut stellas quas videmus etc. Sed quod plures
porcionis quod duobus iridibus in equalibus apparentibus propter
tamen complexibus racionibus et quod densis non videtur quod in equali
densitate et equaliter decent apparere et satis et de sole quod
sit etiam ad aliud. Sed tamen dicta probabiliter salvo tamen me-
liori iudicio aliorum autorum quod illis in equalitas ... [illegible]
diu non provenit solum ex inequalitate densitatis sed magis
propter situm et aspectum diversum complexionem et densitatem guttula-
rum in diversis locis propter quod sicut etiam plures probatum fuit
de urinali pleno aqua in parte aeris et candela in oppo-
sito capiti Ubi etiam eadem densitate manente propter elevacio-
nem et remocionem situs sitim urinalis diversificatur in multis appa-
rent colores iridis et tamen in equalitas sit etiam. Sed quod in opposito
data equalitate densitatis concurrentibus propter aliis tamen in equali-
tas apparencius sit propter inequalitatem densitatum concurrentem
prius fuerit colores ut dictum est. Ad secundam si sic hec
videtur probato quod radius solis magis declinaret appe-
dere ... [illegible] quod hec non est sed magis declinat appa-
rencia salte in magnitudinem Guillelmus quia
iris sit in medio de sole elevato et opposito ipse
volunt sed quod in racione dictum est etiam quod magis

Tota axis piramidis radiose quod non est quod sit linea
perpendicularis ad quod sit refrangit et de hoc forte dicit
Petri Ad tercium si sic quedam quia contraria sunt pa-
ria scilicet si densitas sit equalis undique ad quantitatem graduum
si vapor sit densior vel rarior et aliter non. Sed quando
hec accipitur radiose brevioris tamen quod non est
et colores si forte est signum ut dictum fuit prius. Ad 6
tamen quod in aere sit maior vapor vel eciam sit densi-
or et aliter non et experiencia docet et sic patet questio

Questio alia

Utrum virge vel paralogi fiant 34
ex reflectione vel refractione ra-
diorum dicatur quod iris vel halo et arguitur primo quod non
quia si sic tunc fierent secundum figuram circularem sicut iris vel
halo quod sunt facta ut ad experienciam quia patet quod si fierent
ex eisdem causis tunc deberent et eiusdem complexionis ut quibus etiam
iris vel halo fit in circulo vel porcione eius sed quod
virge vel paralogi etiam sic fierent Secundo patet specialiter quod virge
non fiunt ex refractione quia virge fiunt per reflectionem per spe-
cula irregularia ergo non fiunt per refractionem quia patet quia
refractio et reflectio sunt distincti modi radiandi antecedens patet per
Aristotelem in textu qui dicit quod virge quedam fiunt propter irre-
gularitatem speculi Consequenter patet de paralogis quod fiunt per
reflectionem super specula regularia et non per refractionem tamen quia
sicut prius ante patet ex littera quod dicit paralogi quodam fit cir-
cularis fiunt aer et sic irregularitas speculi facit in
emphasibus colores 3o patet quod non fiunt per reflectionem
quod fiunt per incidenciam radii super medium densiorem in
variationem quo radius procedit sed non dicitur ergo per refraccionem
et non per reflectionem quia tamen quod sic fit refractio ut apparet
semper in candelis perdis antecedens patet ratio sit ad nubes sed ad
caliginem spissam non dicendum est aer sed ad vapores de-
magis raritatem radium in aere et in quod de in luna zona enim
media fit diapasona unum quod rara ac sic quod radius in
nubes fit cum penetracione aliquam licet non sit tamen re-
cessio Contra si sic fierent tunc tam paralogi quam virge fiunt
sicut ex eadem drena porcionibus apparent solem sed hoc quod est falsum
et quod Aristoteles in textu ubi dicit quod virge et paralogi fiunt per reflec-
tionem et refractionem neque valde propter solem neque penitus lon-
ge et parum aut dicit ut desuper ut consubtilis quia

quod vapores irregulares vel roridos possunt fieri circa diametrum
penetrare solis. Conclusio impossibile est sed alium solem parere
est igitur est impossibile sed fieri paralium per reflexionem et
refractionem radiorum quia licet paralium mutatur per solis
elevationem cum quietem sed sol latitudine ante, quod primo conse calo
secundum esse nec consuetum. Inconveniens probatur per auctorem in libro de
ultimis in tractatu de fractionibus ubi dicit eisdem cum dictis
circumscriptionem ad ... sed ad paralium ... paralium cum est
ad solem refracta ... in primo celo dixit ... cum
est eadem sed iridis paraliorum ... et per ...
tione in questione septuagesima nona, et dicit quod ... fiunt
ex refractione radiorum solarium ad visum ... consistentia
nubis ... in vaporositate ... disposita
Et contra ad paralium dicit in questione ...
[illegible]

Et refractionem ... et reflexionem paralium ... refractionem ...
... conclusio ad ... et de ... paralium ...
dicit quod ... est quod fiunt ... solis ... directe sub
sole ... super ... ibi ... sic quod ...
... vaporosa durare ... permanere potest quousque ... nobis
possunt apparere ... radiorum ... fiunt reflexi ad nos ...
est super ... vel supra ... sole ...
... sic quod radius ... ad nos ... sole ...
est directe supra sole, et ... paraliorum ... quod non
fiunt ... sol ... quod dato quod ... apparet ... sole
... radius solis non reflectitur ad nos ... ad alios ...
... ad ... ut radius est debilis ...
propter reflexionem stellarum ... accidit quod ... fiunt ...
vel ... solis ... quod melius potest ...
... dispositionem ... quod sol fiunt ab ...
[illegible]

Sed dicendum quod halo fit ex omni parte. Dicendum ergo quod non tamen
bene et utrumque ipse potest apparere paralii sit convenientia halo
nis quia halo non oritur sicut sed paraliorum et ratio quia aliter
vapores ordinatim consistentes in apparitione paralii quam sunt
ordinati in apparitione halonis. Ultimo ex oculis ad quantum
incipit ... et si aliud solem dicatur quod non est aliud sole sed
sed sufficit quod appareat sicut ymago solis. Et ideo sunt plures pa
relii quam tres ut patet per ... 1o libro naturalis hystori
e sed plures potest fieri ymago quam tres quia non tam difficile
generatur una ymago sicut una paraliorum et cetera. Questio

Questio alia

Queritur circa ultimum capitulum ...
ultimum quod 3 meteororum quod fuit scilicet
terra et primo queritur utrum per mineram artis possit metalla
Et arguitur primo quod non quia si sic tunc diverse species metallorum possent
transmutari in aliam sed plumbum in aurum etc. consequens falsum ergo et cetera. Quod
sit ut hic in ... in ... sic etc. ... ce species metallorum
... dicitur aurum argentum et plumbum sunt hec et ... et forma
ut arguitur et ... de transmutatione unius speciei in aliam quod est
... Oportet arguere hec per exemplum per quem auctoritatem sed quod species
... transmutari non potest. Et primo quia ... quod si
ita per artem sunt ... notandum quod fiunt metalla vel ... in
ex eisdem metallis fiunt et ... speciei vel ex non me
tallis fiunt metalla vel ex aliis metallis alia sed non per
... quod ... non est dubium quod de uno auro fiat
aliud ... tunc hic ... ad propositum. Si vero
ex aliis metallis ... illud metallum deinde ... ab aliis
metallis ex alia transmutatum in ... et habet ... propositum
... sunt per non de metallis fiet metallum ut ... Si dicitur
unum metallum vel ... non metallum corrumpitur ... ex al
tero generatur sicut ex nucleo fit arbor et ... ca
daver quod tunc sit ... possit fieri de homine
et ... de ... corrupto fit ... quod ... sunt
experiencia quod nullus vidit ... salte ex ... species sunt
quia ... ex eadem ... species sit ... sicut ex v
species sit alia ... generari ferrum aliquid metalli et
non apparet ... generatur quia ars ... generat ... per artificium
tamen sit actus in ... artificiis ut ... actus sunt sit
applicate passivis per artificium et sic actus ... non ...

formas speciales quas agent ... suas species ... et similiter ...
... perfectus ... quod est ... quod ... agit vel
tamen ... suam ... nisi tunc ad illud ... tunc ...
... quod tunc ... in duplo ... et triplo ... quam
... possunt agere ... et si dicatur ... non ...
generetur de auro quod generatur sub terra ... sunt ...
non ... sicut ... ad agentibus ... generatur ...
ita ... in ... opere. Et ... quod ibi sunt virtutes ce
lestes speciales ad hec ... et forte ... ...
... vel ... nullos possumus habere per causalitatem ...
... et similiter per nullas ... sunt artificium ... ad
... sicut ibi. Et ... si sic tunc ...
te potest fieri in aliqua ... que habent ... sit ...
... in ... auri vel metalli vel quod ... qua
litatis ... quod ... et ... quod hec ... in ...
... elementorum vel ... sunt facere ...
quod ... in ipsis ... possumus ...
facere quia ... quod nobis ... ad que ...
... permixta ... determinatum per ...
... in ... et si ...
... vel ducere posse
... Et si sic tunc per ... artis potest ... metalla
... quia ... facilius ...
... quod ... dicit ... quod
... et non ... per ... sicut ...
... per alias ... aliorum elementorum vel ... non
potest ... omnia elementa ... ut
... quare ... sit ... dicitur ...
... non ... per arte ... non potest ...
... ut ... sit ... quod ...
Et ... si sic tunc per arte possemus ... facere
... et ... generat metalla ...
... quia ... fuit ... metallorum
ut ... quod ... ex ...
non potest ... in terra et sic metalla
... per artificium ... et ...

alie ab istis que fiunt per naturam, et quod fieri separate tentatum
de eo quod in fine terre et de hiis que super terram generantur hec
operum dixit aristoteles libro metheororum ut ars aliqua alchimistice
producit et in ex solacione vaporosum ingrediendo et faciendo tamen
metalla quod patet in tractatibus libros ipsorum. Quinto si sic
sequitur quod reges et principes nullam quantitatem auri [illegible]
facientes [illegible] habendo alios sapientes in talibus
artibus docentes aptius sic hoc et illud facientes quod satis et
quod experientia omnium quia tamen quod propter habentes ab omni [illegible]
me inclinus [illegible] tales impositores constituta de te
et aurum faciunt ergo hic esset maxime diligendum ut [illegible]
maneret aurum [illegible] omnia [illegible] quod fiet
per talem artem vel fieri esset quod patet [illegible]
tales sunt extirpendi et extirpantur quia [illegible]
[illegible] coloratione [illegible] ut [illegible]
sicut multi [illegible] possunt deceptari et falli et mo
[illegible] sicut [illegible] et [illegible] pe-
ricula et mala contingunt [illegible] patet [illegible]
[illegible] ut [illegible]
[illegible] sicut [illegible]
non [illegible] distortione. Sexto si sic tunc [illegible] illud
argentum vivum posset [illegible] igne et in igni
[illegible] fluxus patet per experientiam quia statim exurgit
vas et frangit [illegible] sit forte [illegible]
ne detineri tempore tamen quia tamen quod si sic tunc ex eo posset
fieri [illegible] aliud metallum [illegible] patet [illegible]
[illegible] in igne sicut [illegible]
esset [illegible] aliquod metallum [illegible] si sic tunc [illegible]
[illegible] malleabile [illegible]
impossibile [illegible] sit de aliis passionibus
de quibus [illegible] patet [illegible]
est impossibile [illegible] [illegible] malleabile
[illegible] ut [illegible] experimentum [illegible]
Septimo si sic tunc eadem ratione per humane artis
potentiam facere [illegible] lapides [illegible]
[illegible] sunt ex fumo

[illegible] ex solacione [illegible] lapides qui fiunt ex calidi [illegible]
te ex [illegible] quod [illegible] qua [illegible]
non habent tales virtutes datas quod sic erunt differentia [illegible]
[illegible] in figura in forma et [illegible] in [illegible] et in sono
sit et in aliis [illegible] quia [illegible] gra-
[illegible] lapides [illegible] quod [illegible] meliores sunt
lapides [illegible] Octavo si sic te-
[illegible] et [illegible] laborarent facientes aurum metal-
la [illegible] in auri [illegible] sub terra tunc [illegible]
[illegible] patet [illegible] ex terra [illegible]
[illegible] labore [illegible] patet [illegible]
[illegible] experientia [illegible] quod fiat auri [illegible]
[illegible] metallorum forme. In oppositum arguitur quod [illegible] Ex humane artis fiunt metella
ni per humane artis posse fieri metalla [illegible]
[illegible] ut apes
[illegible] per humane artis [illegible]
sic ut [illegible] metalla qua tamen
per [illegible] patet [illegible] maxi-
[illegible] sunt [illegible] si [illegible]
fieri [illegible] alia [illegible]
[illegible] bonis et
[illegible] putrefactis fiunt apes [illegible] fiunt
[illegible] per arte possent [illegible]
[illegible] ad [illegible] putrefaciendum [illegible] alia
[illegible] sic [illegible] et
[illegible] alia [illegible] putrefacta [illegible] per artem [illegible]
per artificium [illegible] aque [illegible] fiunt [illegible] in
[illegible] generari [illegible] et de aliis. Item ars
[illegible] artificialiter [illegible] et [illegible]
[illegible] aptata [illegible] et fiunt [illegible]. Item de [illegible]
[illegible] quod [illegible] lapides sicut [illegible]
vel [illegible] et de [illegible] artificiose
[illegible] et figuras et plures alios [illegible]
de [illegible] qui fiunt [illegible] argentum [illegible] auri fa-
[illegible]. Item [illegible] quod [illegible] fiat
aurum [illegible] fieri [illegible] fieri auri [illegible]

:1

Alteracionibus tamen quod excepto homine vel nutrimentis vini vel
panis fiat post homines principium secundo absente sic
hoc potest fieri nam homo tactis carnibus hominis comestis et
complete digestis comparatur excepto alimenti quod advenit excepto
corpore quod preterfluit et tamen racione alimenti sunt prius mala ho
minis quamvis nunc est post homines et hoc per omnes naturales loquitur
de augmentacione per quod et quantitas et totum in uno die naturali potest
fieri ... ex uno metallo potest fieri aliud tunc scilicet per experienciam
ab aliquo ... fieri per ... artis unum metallum ex
alio et perfectum et bonum denique bonus et imperfecto licet esse per ...
fieri ... et nulla racione potest impediri si sic est quod in multis
materiis ... in nulla ... primo aliquid naturalia vel ...
tamen denique videtur esse ad questionem ... ad aliud primum est
quod de minus ... mixta ... dicitur ...
... aqua vel aliquis ... complexes sunt similia vel

Decisio questionis pro nobilia

mixtibilia vel aliquid illorum illud ... ...
... que illas ... in mixto magis durantes po
ssimus ... operaciones vel ... magis invenire ut sunt
quod ... de ... aerea ... de ... aqua
... sicut est ... est ...
insabile ut ... est ... sunt de aliis est
considerandum ... quod mixtorum quod sunt ... mixta
et utrumque illorum ... magis ... ut ... de
minus ~~...~~ perfectorum ... perfectissimum et lapides prop
... sunt perfectissimi ... in ... et alia mixta sunt
minus perfecta ut sunt lateres saxa vel silices et ... petre
... quod ... perfectorum ... perfectum est
... difficultate ... magis ... imperfectum et in
aliis ... quod ... sicut lapides ... vel
saxi ... vel ... est difficilior quam
... carnis ... ... est in aliis et quia
... fit per multa media ... per pauca ...
... quam ... ... dulcia ... ...
... et ... ab ... diligenter
... potest ... sit ... quia facilius ... aqua ...
... in aliquo aliud ... de aliis ... et ymagi
nacio ... est quod ... in ... quod ...
... ymaginatur quod sub terra sunt duo ... exalacionum

duarum exalacionum aliquas ... calide et sicce et alie sunt ca
lide et humide sicut ... super terram ut in primo metaurorum
... visum est et ex calida et sicca exalacione sub
terra ... fieri lapides ... diversa genera ... et ex exala
cione vaporosa calida humida et calida magis humida ... ta
aqua ... fieri metalla et in lapidibus ... sic ...
... metalla ... humidum ... ut ... in ...
... quod metalla sunt ... fusibilia et lapides sunt in ...
... ut ... sancto ... et ... diversitate cali
di et humidi vaporis admixtis ... diversis
sub terra diversas ... vel causa
... diversa sunt mixta vel metalla ... quod ...
sunt sub terra ... et ... libri de ... diversitate
... vapor ... Ex hoc notandum quod ... me
talla ex vaporosa et humida exalacione fiant ... ...
... ad mixtionem ... terrestri ut ... fiat ...
... quod ... terre ... et ...
de humido metallorum ... ...
vel rubigines ... quando ... metalla
... usque ad ... ...
... de generacione et lapidibus metallorum ...
... Ulterius sciendum quod ... primarium
... ... ad metalla
vel quecumque alia mixta ... vel ...
bili ... latitudine ... ut ... expresse ...
de generacione ... si aliquis ... est de ... et ...
... medicinis ... quibus ... substancie
... quantum ... requisita ad ... est ad
... sic ... est ymaginacio de ...
... vel duarum ... de aliis metallis
et mixtis ... ad ... quod ...
... vel formis sic ... aurum
vel aliud metallum. Tunc notandum est quod ... aliqui
naturales sunt ... generacioni in ... perfeccionis magis
... loquuntur de principiis metallorum que sunt sub
terra sicut ... et argentum vivum sicut ... exalacione
... argenti vivi ... magis grossiores
ar

Item solucionis sic quod partes subtiliores resolvuntur et coniunguntur
cum spiritu ad invicem sic quod fiet una substancia que tamen [illegible]
generata compatitur extendi per contusionem et malleacionem et congelari
[illegible] vel mixtio [illegible] [illegible] [illegible] cum partibus solius
vel sit valde diuturna et in longo tempore sic quod vix in [illegible]
bus annis in fine terminum completa generatur aliquod metallum. Et
si subito potest fieri quod [illegible] [illegible] solucionis evanes-
cat et argentum vivum tunc ex accione [illegible] cum aere per
materiam quantitatem vel elementorum [illegible] [illegible] [illegible] fieri et mo-
do quo ibi fuit longissime et valde diffuse [illegible] [illegible]
[illegible] [illegible] quod tamen prius [illegible] melius. Item sciendum
quod difficile est cognoscere has compaciones vel mixciones [illegible]
metalla sicut etiam difficile est cognoscere generacionem viridis
vel galaunis [illegible] parte scimus facere viride et galaunem
nisi videamus viride et galaunem et colores [illegible] alias
cum vix ducemur in cognicionem viridis et galaunis quomodo
fiunt et similiter contingit quod vix vel nunquam scimus compositionem
auri et argenti nisi per actionem scimus et simul per arte poterimus
[illegible] tunc complexius [illegible] nec scimus. Item [illegible]
[illegible] ad [illegible] et sit prima [illegible] quod per [illegible] artis
[illegible] vel [illegible] [illegible] sic metalla [illegible] vel [illegible] [illegible]
si aliquis facit [illegible] [illegible] [illegible] metallorum sic
applicare per arte sit sicut [illegible] applicata [illegible] tunc [illegible]
[illegible] agent [illegible] effectus [illegible] [illegible] sit [illegible]
[illegible] [illegible] [illegible] quod [illegible] non indiget [illegible] quod sit [illegible]
[illegible] ad hoc quod agat ut fiunt [illegible] hic sit [illegible] [illegible]
[illegible] [illegible] sit videmus in aliis agentibus quod [illegible] [illegible] [illegible]
[illegible] ligna hic [illegible] sit [illegible] [illegible] [illegible] [illegible]
arte possibile est [illegible] [illegible] [illegible] est quod [illegible] [illegible] vel mixtio
[illegible] quantitas est [illegible] potest cognosci quam [illegible] quod [illegible] [illegible]
est intelligi [illegible] omne [illegible] sit [illegible] [illegible] [illegible] potest [illegible]
[illegible] quod illa [illegible] generantur [illegible] vel generata sit [illegible]
mixtio est [illegible] [illegible] [illegible] possibile sit [illegible] difficile et valde
[illegible] [illegible] [illegible] [illegible] artis studia [illegible] [illegible]
[illegible] sophistice [illegible] auri vel argenti fiunt [illegible]
[illegible] [illegible] una [illegible] et [illegible] [illegible] auri vel argen-
ti sophisticando et falsificando. [illegible] ipsa [illegible] sophistica [illegible]

Bona [illegible] vel si non posse illa [illegible] [illegible] [illegible] aliis vel aliis
[illegible] [illegible] si aliquis [illegible]. Et tunc multi [illegible]
expensas faciunt quod perdunt laborem et [illegible] [illegible] et
[illegible] omnino [illegible] [illegible] [illegible] [illegible] [illegible] ad [illegible] illius
artis [illegible] [illegible] [illegible] [illegible] aliorum [illegible] vel etiam
[illegible] [illegible] [illegible] multiplicaverunt [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] figulus [illegible] vel [illegible] [illegible]
[illegible] [illegible] [illegible] homines [illegible] [illegible] arte forte [illegible]
[illegible] et ad [illegible] [illegible] laboraverunt [illegible] [illegible] malum
[illegible] illam artem dimittere et aliis [illegible] artibus [illegible]
ad [illegible] [illegible] tunc una [illegible] [illegible] illa ad [illegible] [illegible]
[illegible] potest [illegible] [illegible] dico quod [illegible] per longum [illegible]
[illegible] [illegible] vel [illegible] [illegible] [illegible] quod tunc [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] quod tunc [illegible] [illegible] [illegible]
[illegible] generari aliquod metallum [illegible] [illegible] [illegible] quod [illegible] illud
[illegible] [illegible] generaret [illegible] [illegible] ad [illegible] [illegible] et [illegible]
[illegible] [illegible] [illegible] ad [illegible] influencie celestis [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] est quod non [illegible]
[illegible] [illegible] quantum [illegible] [illegible] [illegible] influencia
[illegible] [illegible] sufficiat generalis influencia [illegible] [illegible] [illegible]
[illegible] [illegible] quod [illegible] posset [illegible] [illegible] [illegible] artifex
[illegible] [illegible] [illegible] applicatur [illegible] [illegible] [illegible]
[illegible] [illegible] celestes faciunt [illegible] [illegible] [illegible] [illegible] facere
[illegible] [illegible] [illegible] quod [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] aliis agentibus [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] quod fuit [illegible] [illegible]
[illegible] [illegible] [illegible] non quod [illegible] [illegible] ad [illegible] [illegible] [illegible]
[illegible] doctrinam [illegible] data ab [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] potest [illegible]
[illegible] [illegible] [illegible] [illegible] dicunt [illegible] [illegible]
quod [illegible] [illegible] [illegible] [illegible] non quod [illegible] [illegible] [illegible] [illegible]
[illegible] quod [illegible] [illegible] [illegible] [illegible] [illegible] quod sic potest melius
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] est quod [illegible] potest [illegible]
[illegible] [illegible] [illegible] ad [illegible] [illegible] [illegible] [illegible] vel [illegible]
[illegible] vel [illegible] [illegible] [illegible] potest [illegible] quod [illegible] [illegible] [illegible] me-
talla vel [illegible] [illegible] [illegible] [illegible] [illegible] difficilis [illegible]

Et hoc patet ad experientiam quod quaedam igniuntur fortiter et calefiunt
extrinsecus sicut pluribus vicibus experti fuerunt alchimiste facientes
medicinam fundentesque cum auro bis resoluto Et quia dicit
de auro philosophus quod aurum non ignitur Notandum quod debebat quod non fiat
consumptum per unam vel duas ignitiones tantum quod non per solam ignem
aurum resolvitur vel plus volunt autem alii si dicitur non pur-
num quod est activior tunc vel per aliud mixtum actum Notandum est quod
ignis dico ad invicem potest esse activior quam ignis ipse ergo si
ignis ipse non potest tamen cum dico bis potest [illegible] ad ipse sed ad in-
[illegible] ignis Ad [illegible] sic tunc purgat se ex alterius vaporositate
[illegible] qua radicitus tamen [illegible] quod non super terram dicit quoniam quod hoc
non fiat super terram ista super quod [illegible] tamen potest esse in aqua
[illegible] recepta primum in vase vel in furnello [illegible]
ac si fluit sed terra sic quod [illegible] fiet [illegible] in carnea ut visum est
in quibusdam [illegible] Ad quartum sic tunc [illegible] quod [illegible] Notandum est hic
hoc [illegible] appendices [illegible] [illegible] non [illegible] male quod
potest [illegible] alteri conforte [illegible] et principes [illegible] se ta-
les [illegible] [illegible] quod [illegible] potest [illegible] non sufficienter
[illegible] conforte quod non inveniunt [illegible]
facientes illam artem fideles quod multa sunt subtilia quae sunt [illegible]
[illegible] de [illegible] quod [illegible] quod non [illegible] est experientiam
[illegible] quod [illegible] in [illegible] differentia apposita ad ignem [illegible]
[illegible] aliud non potest ignitionem pati [illegible] igne tamen [illegible] con-
gelatum per aquam [illegible] per [illegible] vel sulphur per [illegible] vel [illegible]
in [illegible] per [illegible] facti per mixtionem [illegible] potest
[illegible] illa sufficiente [illegible] ita patet per experientiam [illegible] quod
sunt facientes [illegible] negant [illegible] lapide loqui
de [illegible] potest congelari vel malleari [illegible] non [illegible]
[illegible] [illegible] [illegible] malleabile vel [illegible] non
[illegible] Ad [illegible] tunc eadem ratione possent facere partem quod
[illegible] per [illegible] vel [illegible] in pluribus [illegible]
[illegible] non in omnibus ad partem [illegible] de lapidibus [illegible]
non [illegible] [illegible] omnes proprietates aliquid quod [illegible] non potest
[illegible] [illegible] [illegible] alias conforte [illegible] quod lapides potest con-
[illegible] tunc [illegible] de [illegible] virtutis [illegible] indicarent [illegible]
[illegible] [illegible] virtutes [illegible] in [illegible] de [illegible]
[illegible] gravitas lapidum [illegible] hic dicunt alchimiste
quod aurum alchimicum non [illegible] [illegible] vel [illegible]

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aurum naturale sed quod non laetificat cor hominis ut cu-
rat lepram ut videlicet quod illa sed tamen aliud non est mira-
bile quod aurum non valet multum laetificandum cor huma-
num ut tunc per [illegible] et digerere proprium autem [illegible]
per aurum alchimicum et digerere potest [illegible] ita
bis sicut per aurum naturale sed tunc aequaliter ita bis laetifi-
caret cor. hoc sit aurum naturale quod non curantes de
auro non laetificabuntur per aurum sed apparet de [illegible]
omnes aeque diligentes magis aurum [illegible]
quoque tristantur per quod [illegible] sed [illegible] fuerit [illegible]
[illegible] et alchimiam [illegible] melius posset aurum efficere
[illegible] virtutes lapidum [illegible] patet de [illegible]
[illegible] [illegible] imagines per astrologiam [illegible]
[illegible] narrat [illegible] Ad ultimum dicendum quod
[illegible] laboraverunt [illegible] aliam artem ignorant [illegible]

Circa inicium quarti libri metheororum queritur primo

Circa inicium quarti libri metheororum queritur primo utrum tantum quatuor sunt qualitates prime scilicet caliditas humiditas siccitas et frigiditas Et arguitur primo quod non quia per superhabundanciam dicitur unum soli rei convenit Ergo per superhabundanciam dicitur unum soli rei convenit etc.

Ergo primo per superhabundanciam dicitur unum soli rei convenit ergo quatuor est solum una qualitas prima per quam [illegible] sunt [illegible] quatuor
Secundo sic frigiditas et caliditas sunt potencie humiditas et siccitas
sed iste sunt active alie passive ergo sic [illegible] qualitates prime
[illegible] sicut aqua illarum [illegible] [illegible] tamen [illegible] qualitas
[illegible] autem sunt [illegible] sic sicut se habet motus
localis ad motum alteracionis ita se habent qualitates motus lo-
calis ad qualitates motus alteracionis sed plures sunt quam
motus locales [illegible] [illegible]
[illegible] [illegible] quatuor [illegible] prima [illegible]
sunt distincciones [illegible] prima [illegible] qualitatum que
sunt sensibiles et insensibiles exemplum primi sicut albedo et
nigredo exemplum secundi sicut influencia celi [illegible] qualitatum
insensibilium [illegible] consequuntur [illegible] qualitatum [illegible]
[illegible] sicut [illegible] vel lapidis [illegible] autem sunt que
non consequuntur qualitatem [illegible] sicut influ-
encia celi [illegible] distinccio qualitatum sensibilium quod sic se habent
[illegible] solo motu locali sicut [illegible] figura
[illegible] autem sunt que [illegible] qualitatum [illegible]
sicut sunt [illegible] vapor color [illegible] que [illegible]
[illegible] distinccio qualitatum sensibilium [illegible] sequuntur qualitates
primas absque hoc quod agunt [illegible] sicut raritas densi-
tas [illegible] levitas gravitas [illegible] raritas
[illegible] [illegible] [illegible]
[illegible] qualitatum [illegible] sunt qualitates [illegible]
[illegible] qualitates primas [illegible] sunt [illegible]
sicut sunt [illegible] qualitates sapor odor [illegible] sapor
et odor non sunt [illegible] [illegible] [illegible]
tas autem [illegible] sunt in elementis simplicibus
[illegible] distinccio qualitatum [illegible] sensibilium [illegible] sunt tangibiles
[illegible] sensibiles aliis sensibus qualitates tangibiles sunt cali-
ditas frigiditas humiditas duricies mollicies raritas
densitas [illegible] levitas gravitas lenitas et sic alie
[illegible] ad [illegible] qualitates Qualitates autem alie
sensibus sensibiles sunt sapor odor color [illegible] istis
premissis videndum est primo quod qualitates sunt elementis [illegible]
[illegible] quod sunt active [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] sunt prima [illegible] omnes
qualitates tangibiles sunt elementis [illegible] omnes similiter
[illegible] [illegible] alias [illegible] caliditas
et siccitas sunt igni frigiditas et siccitas terre etc.

Que species est de raritate densitate quantitate [illegible] [illegible] quibus
[illegible] est quod nunquam unum elementum sunt qualitates contra-
[illegible] ad ista elementa sunt quarte qualitates prime [illegible]
sequuntur alie qualitates tangibiles ergo omnes qualitates tangibi-
les sunt vel possunt contrarie elementis. Secundo probatur primum elementum
sicut aqua [illegible] sunt non sunt qualitates sensibiles aliis sensi-
bus [illegible] sicut sunt sapor et odor [illegible]
hec alie qualitates que consequuntur [illegible] activus [illegible] contra-
[illegible] quod in elemento puro non est quoniam [illegible] qualitatum
contrariarum [illegible] [illegible] est aqua qualitas consequens [illegible]
[illegible] qualitatum contrariarum [illegible] [illegible] [illegible] [illegible]
[illegible] ex hoc sequitur quod elementum [illegible] non [illegible] saporem
neque odorem neque colorem. Ex quo ulterius sequitur quod aqua
[illegible] [illegible] sapore magis tendit ad purum elementum
aque sicut est aqua pluvialis in comparatione ad aquam
maris. Contra conclusionem primam [illegible] Aristoteles [illegible] de sensu et
sensato quod omnia corpora colorem participant et elementa prima
sunt corporea [illegible] quod ipsa colorem participant. Secundo sic communiter
[illegible] solemus dicere aquam esse albam [illegible] sic non [illegible] quod [illegible]
[illegible] [illegible] [illegible] densa [illegible] ponetur [illegible] [illegible] aliud [illegible]
videtur ab eodem [illegible] non videtur [illegible] esset colorata [illegible]
[illegible] humidi qualitates sicut sunt sapor et odor [illegible]
[illegible] [illegible] qualitatum primarum [illegible] quod [illegible] [illegible] mutatur [illegible]
[illegible] qualitatum quod [illegible] [illegible] mutatur [illegible] qualitates [illegible] [illegible]
[illegible] [illegible] quod non [illegible] ita [illegible] mutatur color [illegible]
sicut mutatur [illegible] qualitatum [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] est magis vel minus calidus vel frigidus [illegible]
[illegible] hec quod aliquis sit coloris. Ad [illegible] [illegible] [illegible] quod [illegible]
ad ultimam [illegible] in quo [illegible] mixto est [illegible] naturalis qua-
litatum primarum [illegible] hec [illegible] ab extrinseco [illegible] [illegible]
litates [illegible] [illegible] [illegible] ad ultimam [illegible] [illegible] quod
colores et sapores et humidi qualitates consequuntur naturalem [illegible]
qualitatum primarum [illegible] [illegible] alias qualitates extrinsecas [illegible]
[illegible] [illegible] quod non [illegible] sapor [illegible] color [illegible]
mixto [illegible] [illegible] naturalis [illegible] qualitatum primarum [illegible] [illegible]
qualitas [illegible] ab extrinseco introducta [illegible] [illegible] sufficit va-
riare illa [illegible] naturales qualitatum primarum [illegible] ad [illegible]
[illegible] [illegible] qualitas extrinseca [illegible] [illegible] humidi
qualitates que sunt sapor et odor [illegible] [illegible] aqua

ab extrinseco introducta non [illegible] [illegible] quod sufficiat variare [illegible]
naturales [illegible] vel dispositiones qualitatum primarum [illegible] [illegible]
[illegible] non variant [illegible] qualitates [illegible] sapor et odor
[illegible] [illegible] ad [illegible] [illegible] Ad primum [illegible] [illegible] [illegible] cor-
pora colorem participant [illegible] quod Aristoteles [illegible] colorem
[illegible] large [illegible] [illegible] extendit se ad lucem ad lumen et
ad colorem [illegible] [illegible] Vel aliter [illegible] [illegible] [illegible] Aristoteles
[illegible] de corporibus mixtis. Ad aliud [illegible] [illegible] [illegible]
aquam esse albam [illegible] [illegible] [illegible] [illegible] elementum
[illegible] magis declinat ad unum elementum quam ad aliud
[illegible] ad [illegible] Ad aliud dicitur quod [illegible] est densa [illegible] non
[illegible] [illegible] [illegible] super eam lumen [illegible] [illegible] [illegible]
elementa non sunt qualitates [illegible] [illegible] [illegible] qualitates
[illegible] sunt [illegible] [illegible] [illegible] [illegible] quod [illegible] [illegible]
[illegible] [illegible] [illegible] consequuntur mixtionem qualitatum [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] quod in elemento puro non est
mixtio qualitatum contrariarum sicut [illegible] [illegible] [illegible] [illegible]
quod [illegible] elementa non sunt [illegible] [illegible] [illegible]
qualitatum [illegible] [illegible] qualitatum primarum

Questio alia

Queritur ad [illegible] [illegible] sit prima [illegible]
nulla qualitas agentis [illegible] quod [illegible] [illegible] [illegible]
[illegible] [illegible] quod [illegible] esset [illegible] [illegible] [illegible] [illegible]
ut sic [illegible] differentie [illegible] [illegible] [illegible] quod [illegible] [illegible]
et forma substantiali [illegible] [illegible] [illegible] [illegible] [illegible]
nulla qualitas [illegible] qualitates [illegible] [illegible] actiua [illegible] [illegible]
[illegible] [illegible] sit [illegible] contrarias qualitates [illegible] [illegible] [illegible] [illegible]
[illegible] non [illegible] magis [illegible] [illegible]. Contra dicendo sapor
et odor [illegible] sicut [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] quod hec faciunt
caliditas et frigiditas [illegible] odorem et saporem [illegible] [illegible]
[illegible] qualitates [illegible] sunt [illegible] [illegible] [illegible] qualibus [illegible]
[illegible] [illegible] et [illegible] [illegible] [illegible] qualitatum tangibilium [illegible]
[illegible] sunt actiue [illegible] caliditas frigiditas humiditas
et siccitas [illegible] [illegible] non [illegible] [illegible] [illegible] [illegible] [illegible]
faciunt [illegible] magis [illegible]. Contra [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] non est motiua [illegible] [illegible] [illegible] [illegible]
[illegible] quod [illegible] [illegible] de actione [illegible] [illegible] [illegible]

Tale autem quantitas non agit. Contra ad 2m et aliud dico
quod qualitates tangibiles sunt priores aliis qualitatibus quia sunt
activae aliorum. 2o dico probando quod id quod activum sit tamen
contactum et sic sic est tunc qualitates tangibiles dicuntur activae
aliarum et contrariae [illegible] priores aliis et [illegible] alio
patet per [illegible] quod non sensus tactus inter ceteros tactus
sensus est prius ergo etc. qualitates sensibiles sensu tactus
aliis qualitatibus sunt principales. 2o dico quod solum quattuor
ille tangibiles scilicet caliditas frigiditas siccitas et humiditas
sunt primae aliarum in qualitate patet quia ille sunt activae
ergo illas consequuntur aliae et ad illas aliae consequuntur
et reducuntur. 3o dico quod iste qualitates sunt priores
aliis principaliter patet quia [illegible] [illegible] ele-
menta. 4o dico quod ille qualitates sunt priores aliis
quantitate patet quia reperiuntur tam in elementis quam in corporibus
mixtis aliis autem non. 5o dico quod sunt priores aliis
simpliciter patet quia reperiuntur in corporibus simplicibus et non co-
sequentibus qualitatibus [illegible] [illegible] ad [illegible] ergo di-
co quod sunt priores aliis [illegible] [illegible] qualitate quantitate pri-
oritate et simplicitate. Ad rationes principales solum dicitur quod
primum in aliquo genere dicitur quod non est prius in isto genere
ita non est in [illegible] in aliquo genere [illegible] plura [illegible]
prima [illegible] [illegible] [illegible] primo [illegible] est primum
[illegible] [illegible] [illegible] primum in aliquo genere quod in eo
genere quo [illegible] et sic est primum [illegible] [illegible]
Ad secundam dico quod humiditas et siccitas sunt qualitates
activae sicut caliditas et frigiditas. Ad 3am dico quod [illegible]
intelligitur de qualitatibus [illegible] [illegible]. Ad quartam dico quod
[illegible] motus localis est prior motu alterationis [illegible]
motus localis caeli quod prior non est gravitas vel levitas
ergo non oportet quod gravitas vel levitas sunt priores [illegible]
et sic patet quaestio. **Questio alia utrum** [illegible]
[illegible] in [illegible] [illegible] [illegible] utrum [illegible] qualitates scilicet
caliditas frigiditas [illegible] sunt principia activa in generatione
[illegible] mixti [illegible] [illegible] per alterationem [illegible] [illegible]
ductorum formae substantialis mixti [illegible] [illegible] accipit

[illegible] 2o [illegible] [illegible] [illegible]. Et arguitur quod sic quia sunt principia
activa generationis mixtorum et in [illegible] [illegible] aliud
et aliud alia et alia sunt mixta. Si sic est de praedictis
qualitatibus ergo etc. Oppositum non [illegible] patet quia in generatione [illegible]
aliud [illegible] [illegible] [illegible] [illegible] qualitatum et alia in generatione
[illegible]. 2o sic [illegible] [illegible] [illegible] [illegible] [illegible] quod
ignis non agit in [illegible] ignis [illegible] in [illegible] calidum
ergo etc. [illegible] in generatione mixti [illegible] igne [illegible] [illegible] non
agit nisi in [illegible] calidum [illegible] quod [illegible] activae [illegible]
ad productionem mixti [illegible] [illegible] quod [illegible] aliae [illegible] [illegible]
[illegible] sunt agentia principalia in generatione [illegible] mixti.
[illegible] [illegible] quod [illegible] qualitates primae sunt agentia principalia
in generatione [illegible] mixti patet [illegible] [illegible] est agens principale
ad [illegible] [illegible] duplicatur duplicatur effectus. Si sic est
de praedictis qualitatibus ergo etc. [illegible] [illegible] patet quia si [illegible]
[illegible] [illegible] subiecti duplicatur tunc [illegible] agit calidum
duplici ad [illegible] quod [illegible] egit et sic est de [illegible]
[illegible] et [illegible] [illegible] sic [illegible] sunt principalia agentia
in generatione mixti ad quorum variationem variatur effectus
et ad nullius alterius variationem [illegible] illorum. Si sic est
de praedictis qualitatibus ergo etc. [illegible] [illegible] [illegible] [illegible] quod non potest
dici quod forma substantialis sit principale agens [illegible] [illegible]
qualitates sunt agentia instrumentalia [illegible] [illegible] ignis [illegible]
[illegible] in aliquo subiecto ad [illegible] agit in eo calidum
et [illegible] [illegible] variatur [illegible] forma substantialis maneat
[illegible] [illegible] forma substantialis variatur [illegible] [illegible] caliditatis
[illegible] ergo quod [illegible] sit principale agens [illegible] forma substantialis
[illegible] [illegible] [illegible] de aliis qualitatibus. Contra confirmatur quod
qualitates primae sunt agentia principalia [illegible] forma substantia-
lis [illegible] qualitates [illegible] [illegible] in [illegible] [illegible] sunt [illegible]
subiecto et sine forma substantiali et [illegible] agunt igitur [illegible] quod
non sunt in agentia instrumentalia sed principalia. [illegible] [illegible]
[illegible] [illegible] in [illegible] [illegible] [illegible] [illegible] [illegible] 2o [illegible] [illegible]
quod [illegible] [illegible] [illegible] [illegible] [illegible] calidum et frigidum
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

vna distracco zo po vde sit qo **Queritu**
Queritur ad aliud primum sit indifferens quod ducta sunt
agentia sz pu lia z instrumentalia sit q̄ sit agens
inmeta z particulaia et q̄ vo meta z vliā Dicit q̄
sit agentia ordinata euulit eq sit ageus et vsitu
ampliit Queritur ad z sit prima qo quod nullum

Queritur ad octauum

...aendes in vnitu
te pporia tamp
principale ageus e productum alicuius agentis probatur quod
agens ipsius motu alterius z inmo eet conuit qz mo
ty pu le ageus e una ut z pphy zo phisicorum quod quos
sequitur quod n̄ actus sit pu le ageus alium actus z quod
n actus sit ua pz quod ua po qd d ma z for sbali
ut zo phisicorum z na aet les et in octauo me
ly e agens disponens ma z educens formas ino sz
alicuius actus sit pu le ageus productum alicuius actus quod
eet pu le agens dispons ma z quibus eet ageus
pu le in educens formas sz hec no z quod tuc quatis et
producto forme sbal no eet vnica quatio et quatis
quans pu le z quatis no eent eius sper Dz
q qz dna ua alicuius actus e productum alicuius pz quod
sepe effectus e simil agenti sui quod aus e ne
quod sepe effectus e plis agen in fontali z no pu le
ut i artis q na sub pruna malleus sit alius et
ta fauc effectus e plis ua in fontali z no pu le
Octaua qo n actus e pu le productum subc q n
actus e pu le productum accidentis ut prima ratione igit
ut act alicuius subc qua tz p quod cannum eu sba
sit nobilior accnte Ex istis duabus q clonibus sz q
quatis prime no sub pu a actus pu lia in qua
one vniuersali Nona qo quod subcus accidentis pu
subc in caliditate sicut e ignis et sua for sbalis
e ca effectiua z productiua ipsius accidentis pu cali te
ingit pu le qz sit actus pu caliditates pz ud fo
les dicere cali te ee producta ab igne cum co
mus moz loquendi arguit hec quod caliditas est
producta a calido effectiue z productiue Decima effectus

fstems e subcus accidentis ul for eius subal igi
z eq Octaua qo hz subcum accidentis sit pu le ageus
ipsius accidentis ty aliquid no e ca principalissima pz
quod aliquid subcum accidentis e i natura z effectus aua
ty no no vir sz sile quod effectus nati ca productiua
pu lissima sit in natura z cauis pz p experientia i
quatis p putrefactionem Nona qo celum z in terrae
z prima ca ca dicit et z sit tunc pu les ceet in
feculis pz quod quoz producat alicuius natura in isti in
feculis z putrefactionem alicuius productionem no q eet
alicuius aiatu d agentibus in feculis no no vi
quod tla natura poss produci u gerat a quod ageus
nobilius qz sit in natura sz ho ageus nobilius
no vi ad ce quod prima ca l in terrae go ce
Decima qo nulla ca alia pot age u agat prima
ca pz quod alias caus infleunt age prima cum
io illa no influcte z agente a e cause no a
gent Vndecima qo si pu ca subtraheret acionem suam omnia
alia aplia desinent ee z actionem aut pi cause
sua q fiunt in ee sit prima corpus limosi eo
sua licz i mo z p ab sexta eius desinit ee
in mo Ex i a qlone in ses prima quod si pu ca
reficet ab eius acone aliz sufficit quod quia cent
sibi corenz approxiata no agent in se ut sig
ms applicantes stupe q buret ea ut quo no
impeditus existens p se desisteret z ulit uec
aliqua acco mistis in feculis fiet Duodecima qo
ad malit effectus producere q eet pa ca solet concurr
fcu quod ad producendum male sz demonadi ul alicuius te
q eret prima ca Oz ton le arc si sic sequitur quod p a
ca faceret malum h pls tude quod pa ca facit by
malum fine male z pt le deus no facit peccatum
ud facit alicuius malum pteud no d peare sz by
face Oz cou sit a alique malum ad ty producendum co
eet per accidens prima ca tu arguit sic sor sendit

et procedit secundum primam causam fit a quo vi quod prima causa secundo a casu procedit sicut necesse quam quod effectus si fiat aperte et apparenter tamen fit aperte male et apparenter cum non ut est in exemplo quod unus effectus fiat a duobus aliquis male et alius bene sicut enim potest dare elemosinam propter deum et potest dare elemosinam propter vanam gloriam tunc quamvis effectus fit aperte bene et apparenter male.

Ad rationes principales dico quod bene probat quod qualitates prime sunt principia actiua in generatione mixti et etiam in seminalia sed non tamen principalia actiua principalia in generatione mixti. Alio modo dixerunt quod non erant principalia principaliter actiua sed instrumentalia. Unde commentator dicit in 7° libro quod omnis generatio est [illegible] [illegible] [illegible] tamen ea in instrumentalia non principalia.

Questio alia

Utrum putrefactio fiat a calido extrinseco fugiente intrinsecum et arguitur quod non quia Aristoteles dicit in libro quod putrefactio est corruptio calidi intrinseci sed modo est ita quod calidum extrinsecum non est corruptivum calidi intrinseci. Patet ex eo quod calidum extrinsecum et intrinsecum sunt contraria quo ad [illegible] generationem est a calido quo non putrefactio generatio tamen non generatio et putrefactio sunt contraria. Communis quod autem huiusmodi generatio secundum Porphyrium non est contrariorum igitur etc. Aristoteles potest per Aristotelem in libro et expressis verbis in omnibus etc. Secundo calidum extrinsecum confortat calidum intrinsecum igitur non est causa putrefactionis. Patet ex eo quod putrefactio est corruptio calidi intrinseci. Aristoteles potest per Aristotelem in libro de digestione. Et dicit calidum intrinsecum a calido extrinseco fit per balnea et per aquas quas [illegible] dicit etc. in putrefactione augetur frigiditas et caliditas non est causa putrefactionis. Aliter enim esset causa augmentationis. Secundo si in putrefactione caliditas extrinseca esset causa putrefactionis sequitur quod res semper principaliter consumentur a putrefactione quod est falsum quia quandoque res ponuntur ad loca frigida ubi non esset

Caliditas ut patet per experientiam etiam res conservantur a putrefactione quoniam si res putrefactibiles ponuntur ad loca in quibus non esset calidum nunquam putrefierent sed caliditas preservat a putrefactione. Sed contra Aristoteles dicit quarto metheororum et [illegible] quia sunt in se se calida propterea quod non statim putrescunt. In oppositum est Aristoteles [illegible] [illegible] calidum. Secundo in ista questione videndum est qualiter caliditas extrinseca sit corruptiva caloris intrinseci sive naturalis alicuius mixti. Secundo videndum est qualiter putrefactio sit et unde causatur ex quo patebit responsio ad questionem. Quo ad primum primo sciendum est quod aliqui opinantur quod caliditas extrinseca sit corruptiva humiditatis naturalis ipsius mixti que est subiectum caloris naturalis in tali mixti qua corrupta corrumpitur et calor naturalis cum actus corrumpitur ad corruptionem sui subiecti sed hec non videtur esse eo quod caliditas non agit in humiditatem ipsam corrumpendo propter hoc quia ipse qualitates non sunt contrarie nisi qualitates tangibiles etiam que sunt contrarietatis. Alii dicunt quod caliditas extrinseca sit alterius speciei cum caliditate intrinseca naturali et quod differunt specie. Et ideo caliditas extrinseca corrumpit caliditatem intrinsecam et ultimo dicunt quod calidum sed caliditas intrinseca et calidum extrinsecum sunt contraria sed hoc est quod non cum omnis caliditas alicuius elementi vel mixti cum qualibet alterius elementi vel mixti caliditati sit eiusdem speciei si enim hoc non esset tunc essent plures qualitates specie [illegible] specie diverse quod est contra Aristotelem in 2° de generatione. Secundo sciendum si calidum intrinsecum contrariatur calido intrinseco et esset cum eadem caliditati contrariatur sed frigiditas sequitur quod unius per res species essent contraria quod est contra Aristotelem [illegible] [illegible] [illegible]. Et ideo aliter [illegible] dicitur calor caliditas extrinseca sed ipsius continentis corrumpit caliditatem intrinsecam alicuius contenti vel existentis in ipso sed quod apparet per ipsius quibus apparet calidum intrinsecum exalat et vult esse se diffundere et eius [illegible] cum ipse applaudat suo simili et etiam cum naturaliter apta sunt se vel suas virtutes diffundere in contento (continente?) et tunc magis remanet

Retinet intrinseca semper quod tamen accidit frigiditas extrinseca domi-
nium habeat tunc ipsum corrumpit et ideo imaginandum quod caliditas
extrinseca per actionem corrumpit caliditatem intrinsecam hoc est quod dispositio
mixti comparatur ad corruptionem caliditatis intrinsece. Tunc ad secundum
articulum sit prima conclusio primo dicatur aliqualiter in littera quomodo putre-
factio sit contraria generationi. Secunda conclusio quod ex quo mixtum consistit
in proportione debita quantum ad primas qualitates et accessus ad illam
proportionem quam prime qualitates et aliquod mixtum sic proportionetur
et tunc est generatio illius mixti sed contra generatio per alterationem
partium inducentium formam substantialem alicuius mixti et per consequens id
impedimentum recipit ex illa que est recessus ab illa proportione qua-
litatum patet sicut prius erat accessus tunc. Sed dispositio
ad corruptionem illius mixti est accessus ad illam proportionem debitam
veram generationis illius mixti sic recessus ab eadem propor-
tione. Sed putrefactio tertio sit quod in ipso mixto vi-
ncere debet humiditas caliditatis et humiditas in proportione debita
quantum ad suam ex unione in aliquo at non vincit humiditas in-
tus deinde ex aliquo proportionabile. Tunc sit prima conclusio
quod putrefactio est corruptio et dominium humidi naturalis in-
trinseci et ipsius caliditatis secundum quod caliditas et humiditas sunt cau-
sa vite vel recessus ab hiis est dispositio ad corruptionem forme
substantialis mixti et per consequens recessus de putrefactione etc. illo
in secundo quod elementum putrefit non est putrefactibile patet quia
etc. ipsius elementi prius non consistit in proportione qualitatum
primarum modo putrefactio alicuius mixti non est aliud quam
recessus a proportione qualitatum sibi debita. Sed dices
hoc est contra aliqualiter in littera dicit enim terra mixta consistentia
est putrefactibilia excepto igne. Sed dicitur quod tamen sit
terra aqua et aer si essent pura tunc non putrescerent
Sed cum tamen non sint pura sed aliquo permixta ideo sunt
putrefactibilia igitur aut sunt pura sive impura
non est putrefactibile cum enim est impurum tunc non est
putrescibile et hoc sed propter magnam eius inpassibilitatem
propter modicam resistentiam ita quod cum corrumpitur quod putre-
fiat putrefactio enim precedit corruptionem. Secunda conclusio pu-

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trefactio sit per actionem caliditatis extrinsece patet quia non sit ab igne
intrinseca ex eo quod caliditas intrinseca semper eam continet et do-
minatur ut aliquid sit a caliditate in terra cum tamen non corrumpit
humiditatem sic permixta in qua est terra vel subtile et hoc se
ad aerem terre sit caliditas aerea ad humiditatem aeream que
relinquitur quod fiat a caliditate extrinseca ex eo quod dice-
bam in primo articulo. Secunda conclusio ista quod propter signa que ponit
in littera videlicet enim quod putrefactibilia in locis frigidis
non fiunt ad putrefactionem et in locis calidis citius putrefiunt
et ideo videtur signum quod putrefactio fiat a caliditate extrinseca
sed ipsius continentis et plura alia signa ponit aliqualiter
que hic omitto propter brevitatem. Tertia conclusio quod putrefactio
fit a caliditate aliqualiter extrinseca patet nam cum per calorem mul-
tum exalatur de caliditate naturali tunc post mixtum remanent
minus calide sunt aliquas partes frigide eius non posite est
dominatur caliditas corrumpit et sic tantum post frigefaciunt et
istam corruptionem caloris naturalis sed putrefactio illo fri-
giditas extrinseca cooperatur ad putrefactionem propter hoc sed
quod putrefacta sunt frigidiora et sicciora quam non putre-
facta patet quia cum calore naturali exalat humiditas. Ad
rationes principales ad primam putrefactio est corruptio caliditatis que-
cumque dicitur ipsius calidum in tamen non corrumpit caliditas
extrinseca vim est per se sed bene per accidens sicut dicebam in primo
articulo ad secundam dico quod generatio sit a calido in terris cum
hoc tamen bene stat quod putrefactio que est sibi contraria fiat a
calido extrinseco. Ad tertiam dico quod caliditas extrinseca tamen est
moderata tunc bene consequitur ad putrefactionem tamen autem est ex-
cellens tunc non consequitur in primo proportionat ad putrefactionem eo
modo quo dicebam in primo articulo. Ad quartam dico quod parvus
vel frigiditas in terra augetur a caliditate extrinseca sit dominium
est contra tamen generationem. Ad quintam nego quod res proprietatem [illegible]
consequuntur putrefactionem. Unde [illegible] comparatur [illegible] loca
frigida tamen non sunt [illegible] ista loca calefiunt et statim
et ibi calor extrinsecus vincit si aliquis aliquo aliter ponetur in
locum frigidum strictum recalescit unquam tunc longe

Clausis stati calefiet spiritus plus frigidus ad fex
tem dicit quod caliditas extrinseca bene pservat aputre
factione nam hec tum bene stat quod disponit ad putrefactione
aliter tum et aliter et sic patet questio

Questio alia

Utrum frigus pservat aputrefactione
arguitur pro quod non nam si sic tunc res putrefactibiles
diucius pservarentur in terra quam super terram hoc autem est falsum
videmus enim quod ligna aquis aportate existentia infra et
palia etc putrefaciunt citius infra quam extra quia pba
quod infra est maior frigiditas quam super terram secundo calidum
pservat aputrefactione et tamen calidum in tantum non pservat
quod non frigus quia per aliter enim sibi oppositorum esset idem
effectus sed ante patet nam balsamum mirra et salsa et alia
pservat aputrefactione et hoc est eo quod natura sunt calida
tertio pservat natura piper defficile putrescit et non per ca
liditatem suam aputrefactione pservatur et sic putrefac
tio est caloris naturalis corruptio cum suo humido naturali sed sic
est ita quod talis corruptio fit a frigido igitur frigidum sit frigus
est causa putrefactionis et non pservat aputrefactione opposi
tum patet per carnes et pisces ad experienciam nam experimus
quod in locis et temporibus frigidis res tardius putrescunt
quam in calidis quod non esset nisi frigus pservaret aputrefactione
Ista questio dicitur in textu de frigore extincto et cum ea videndum
est de modis quibus res pservatur aputrefactione quibus visis
patet responsio ad eorum. Circa primum ad primum premitto primo quod
putrefactio per se fit a calido extrinseco efficiente et co
trahente humidum intrinsecum cum calore naturali a corpore pu
trefactibili secundo premitto est quod quoquid impedit pot im
pedire [illegible] extrinsecum calidum
pendo quod putrefactibile vel non consistat calido extrinseco
sed putrefactibile secundo impedit actio calidi extrinseci est ipse
do sic actionem sed non pari ipsius putrefactio corrumpitur sed
impedit actio calidi extrinseci in ipsum putrefactibile etc
cum calor naturalis est intentus et fortis coniunctus humido
naturali quod tunc est fortis resistencia quia fortius resistit calido
extrinseco Ista premissis sequitur est quod pluribus sit modis pservatur

aputrefactione Unus modus est per remotionem a putrefacti
bilibus in locis frigidis et tunc pori eius clauduntur propter
constans ita quod calor naturalis et humiditas non potest ex
alari sed secundo calor naturalis in tali frigido fortificatur et eius for
tificatio est pservatio aputrefactione ut per Aristotelem in libro
ex hoc potest reddi causa quare homines habitantes in regionibus ca
lidis citius senescunt et breviter vivunt et in regionibus frigidis
est econtra causa autem est nam habitantes in regionibus frigidis corpa
pservantur aputrefactione propter frigus etc et tales homines habent
ventres calidiores et meliorem digestionem in regionibus
autem calidis caliditas exalat propter quod exalacionem sequitur
corruptio et causa est causa quare homines sunt audaces in locis
frigidis habitantes quam in calidis quod autem in regionibus excellit
patet per hoc quod dicitur quod ethyopes ad nigris vivunt tempora a
nis Secundo modo res pservantur aputrefactione per motum naturalem
cum res movetur tunc calor extrinsecus non potest ita bene in
vigere agere suam impressionem sicut quando quiescunt Et si quia
cum res movetur tunc gravius sunt in motu contrarie
nature Et si quiescunt tunc cito calescit et sic calor
extrinsecus propter causas sed tamen putrefactionis Tertio modo non cum
res movetur tunc calor intrinsecus fortificatur calido autem in
trinseco fortificato conservatur aputrefactione quarto res pservantur
aputrefactione propter [illegible] magna caliditate in tanto
cum enim illa est magna et longius temporis requiritur ad hoc quod
ipsa exalet et causa quod calidus intrinseca et extrinseca sic operam
tur distinctus et cetera humidi naturalis caloris enim naturalis extra
est exalacio humidi naturalis caloris enim intrinseci sed continue humidu
naturale et tunc se fortificat in humido in corpore putrefactibili quia
caliditas intrinseca sed contra tunc fortis sit et non humido et
resistit actionem caloris extrinseci et tarde fit putrefactio et
hoc patet per signum ut piper et alia que sunt multum calida tarde
putrescunt Sexto res pservantur aputrefactione per bonam
commixtionem humidi cum sicco terrestri quia cum ipsa sit fortis
ad invicem commixta difficulter sunt separabilia ab invicem
ergo siccum terrestre est questio per alleviacionem caloris
extrinseci exalacionem quod humidum naturale quod est satis fortiter co
mixtum maneat secundo et tamen sub caloris naturalis sit humidum

Naturale eius scilicet calorem naturale manet. Secundo circumstantia
ventus [illegible] durant sed prohibere aliquam partem putrefieri et
hoc propter fortem compressionem humidi naturalis in suo [illegible]
Secundo res preservatur a putrefactione propter ignem [illegible]
et humorem cum est corpus ignitus non potest ita aer calor et
[illegible] penetrare sicut res preservatur et ideo sicut cetera a putre-
factione secundum [illegible] res ignitas tardius putrefiunt quam res
preservatas [illegible] aer [illegible] ista quod [illegible] non putref-
-at si [illegible] aqua [illegible] eius putrefiat [illegible] mare [illegible]
Ad [illegible] dico quod [illegible] magnitudo non preservat a putrefactione
quod magnus cumulus frumentorum putrefit citius quam parvus
propter hoc [illegible] frumenta in domibus suis ventilant
ea ne putrefiant [illegible] in septimana [illegible]
[illegible] de magnitudine non preservat a putrefactione intelligitur de
magnitudine in quantitate et non de magnitudine in distinctione
nec magnitudo frumentorum et magnitudo distincta ergo
[illegible] dicitur [illegible] quod est causa
quod frumenta in magno cumulo citius putrefiant quam
in parvo et [illegible] in infimo quam in superficie [illegible]
est quod [illegible] frumentum ponitur in magno cumulo multus
aer includitur et quia tamen ille aer calefit et [illegible]
in fundo [illegible] calorem [illegible] calor [illegible]
[illegible] putrefactionis [illegible] in superficie [illegible]
[illegible] cito putrefiunt [illegible]
tur [illegible] in fundo [illegible] distant [illegible]
[illegible] in superficie [illegible]
[illegible] preservatur a putrefactione [illegible] res preservatur a putre-
factione propter clausuram pororum [illegible] corporis cum [illegible] est
[illegible] pori sunt clausi res [illegible] consolidate [illegible]
[illegible] calor [illegible] et humiditas naturalis [illegible]
[illegible] res preservatur a putrefactione propter hoc omnia con-
[illegible] corporis constringentia preservant a putrefactione ideo
Balsamum [illegible] quod solidat [illegible] preservat a putrefactione sicut
sal [illegible] dicunt quod sal [illegible] duplicem virtutem [illegible] virtute con-
sumit humiditatem superfluam et virtute stipticam [illegible]
claudit poros et consolidat corpus putrefactibile et [illegible] preservat
a putrefactione. Tertio res preservatur a putrefactione quia [illegible]

[illegible]

humidi superflui per humidum eius superfluum humidum naturale [illegible] et calidum
suffocatur. Secundo solet res preservari a putrefactione per [illegible]
[illegible] ex [illegible] cum res in partibus exterioribus sit putre-
facta et si tales partes amoveantur tunc erit preservatio aliarum a putre-
factione sicut igitur visum sit modi quibus res preservatur
a putrefactione et consequenter [illegible] videbitur de signis et effectibus
putrefactionis [illegible] quod dictum sit per [illegible] ad [illegible]
de illo. Ad rationes [illegible] ad primam dico quod [illegible]
[illegible] quod sunt in terra res tardius putrefiunt
in terra quam super terram. Ad [illegible] dico quod calidum [illegible] sit est
consolida [illegible] preservat res a putrefactione vel
sit [illegible] humiditate superflua consumptum aliter non. Ad 3 et 4 de
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] preservatio a putrefactione [illegible]
[illegible] putrefactibile [illegible]
[illegible] preservat [illegible] a putrefactione [illegible]
non potest [illegible] putrefactibilia

Utrum aqua aliud possit generari
per putrefactionem [illegible]
[illegible] putrefactio [illegible] quod est [illegible]
[illegible] putrefactione [illegible] non videtur posse
generare aliud [illegible]
[illegible] putrefactionem [illegible] generari [illegible]
[illegible] generatio [illegible] generare [illegible] putre-
factione [illegible] non generare [illegible] generatio
animalis per putrefactionem non sit [illegible] agens [illegible] generans
[illegible] generatio sicut [illegible]
[illegible] si per putrefactionem aliud generaretur [illegible] per putrefactionem [illegible]
[illegible] aqua aliud generaretur per pu-
trefactionem sicut [illegible]
[illegible] generat [illegible] per propagationem [illegible]
[illegible] non potest [illegible] quod sunt eiusdem speciei [illegible] ab agentibus
[illegible] specie [illegible] effectus eiusdem speciei [illegible]
[illegible] effectus [illegible] agentibus [illegible] ut patet [illegible]

¶ Quod dubitatur specie cum omnis mus cum alio est eiusdem
animalibus et similis speciei et forme substantialis. Contra si sic tunc
species si animalia possunt generari per putrefactionem utrum etiam sic
plante possunt generari per putrefactionem. In oppositum est Aristoteles in libro
[illegible] et etiam patet per experientiam cum visum est quod aqua propter flatum cuiusdam
venti fiebat multitudo murium magis quam ut [illegible]
si non res putrefacte fuissent generati. Ulterius etiam videmus
quod cadaveribus putrefactis generantur rane et bufones et consimilia
et ex cadaveribus aliorum et aliorum animalium generantur per putre-
factionem alia et alia animalia et ex cadaveribus hominum putrefac-
tis ut in sepulcris generantur bufones. In illa questione primo
videndum est de effectibus putrefactionis. Secundo videndum est an
aliquod animal generatum per putrefactionem sit eiusdem speciei cum alio
generato ex semine per propagationem. ¶ Quantum ad
articulum primum sciendum quod quinque
effectus putrefactionis.
Est quod cum res putrefiunt tunc in partibus exterioribus sunt humide.
Cuius ratio est quia calidum extrinsecum quod est causa putrefactionis ut
patet in principiis extrahit humidum intrinsecum ad partes
exteriores et propter hoc res que putrefiunt in partibus exterio-
ribus sunt humidiores. Secundus effectus est quod per putrefactionem
res sunt interius sicce et quasi cinerate. Cuius ratio est
quia extracto humido subtile manet intus siccum ter-
restri quod sine humido naturali redigitur in cineres [illegible]
similiter et propter hoc omnes res putrefacte sunt frigide et
sicce quia humido extracto extrahitur et calor. Tertius effectus
est mutatio odoris. Unde quando res putrefiunt tunc
[illegible] mutatio odoris [illegible] quia in putre-
factione dissolvuntur partes quarum [illegible] effectus est
dissolutio et mutatio coloris et hoc provenit propter
dispositionem quam tunc [illegible] in ipsis putrefactibilibus.
Quintus effectus est debilitatio seu dissolutio partium
putrefactibilium. Cuius causa est quia extrahitur humidum
continuans partes ad invicem. Sextus effectus est generatio

quorundam animalium. Cuius ratio est quia quando generantur ani-
malia per putrefactionem illa sunt in principio putrefactionis sed
antequam totum humidum extrahatur et sic illos nam in putrefac-
tione conveniunt aliqua ad unam proportionem qualificationis que con-
venit alicui anime et virtute aliquorum corporum supercelestium
talis ibi remanens incipit consolidare et redigere illud humidum et dispo-
nere illud humidum ad generationem talis animalis ita quod in anima est
quedam proportio similis proportioni quam tunc primum habuit in semine ex quo
unum animal sibi simile generatur. Una ratio clarior est quod in semine est
aliqua proportio equalis ex qua generatur mus. Modo quando in pu-
trefactione deveniunt ad unam proportionem quam tunc primum habuit
plerumque illa tunc generantur mures per putrefactionem. Ex hoc patet re-
sponsio ad questionem quod aliqua animalia generantur per putrefactionem et possibile.
¶ Quantum ad secundum articulum sciendum
est quod mus generatus per putre-
factionem sit eiusdem speciei cum mure generato ex semine per pro-
pagationem respondeo dicens quod sic patet quia sunt similes in ac-
tione et forma. Confirmatur supponendo primo quod omnis mus
generatus ex semine muris per propagationem alterius muris
ex propagatione seminis generatus sit eiusdem speciei. Secundo suppo-
no quod omnis mus generatus ex semine muris sit eius-
dem speciei cum mure a quo semen erat decisum. Tertio sup-
pono quod quecumque sunt eiusdem speciei cum uno tertio quod
etiam sunt eiusdem speciei inter se. Istis suppositis ar-
guitur sic quia possibile est quod mus generatus per putrefactionem
generat alium murem per propagationem sed iste est eiusdem speciei
cum alio mure generato per propagationem ex prima suppositione
et etiam eiusdem speciei cum mure a quo generatur per secundam
suppositionem. Igitur mus generatus per putrefactionem est eiusdem
speciei cum mure generato per propagationem et per tertiam suppositionem
quia ambo sunt eiusdem speciei cum mure generato per propa-
gationem et etiam ex semine muris generato per putrefactionem
ut est impossibile quod ex agentibus dissimilis speciei proveni-
at effectus eiusdem speciei. Patet quia ignis generatus ex
radiis solis incidentibus super speculum est eiusdem effectus

in igne gnats ex alio igne et si ignis gnans et ad{u}c{tu}s s{i}b{i} lis sint diversarum spe{cie}rum. Dicendum est tunc q{uod} gnatis inmu{n}a p{er} putrifactione vi{detur} esse equivoca gnatio aut p{ro}pagacio dicat{ur} univoca et in gnatione univoca req{ui}rit{ur} q{uod} gnans et gnatu{m} sint eiusdem spe{cie}i et sunt consiles (?) spe{cie}s. Sed in gnatione equivoca non sic s{e}d aliud s{e}c{un}d{um} et ideo dicat{ur} sicut comit{er} solet dici omne q{uod} gnat{ur} gnatur ex simile hic d{icitu}r i{n}telligi de gnatione univoca. Sciendum tunc est q{uod} in gnatione equivoca lic{et} gnans non e{st} s{imi}l{e} gnato in sp{eci}e tamen est tu{n}c sibi simile in virtute et p{ro}p{ter} hoc salvat{ur} scd{um} mo{d}o et cautia q{uod} quamvis gnatis in putrefactione sic se habeat q{uod} gnans non possit sibi simile in sp{eci}e tamen e{st} sibi simile in virtute et tamen gnans est nobilius generato q{uia} generans est ipsum celum quod concurrit active mediante sua influencia ad gnat{ion}em aliud p{er} putrefactionem. Prima racio soluta est ex questione qua talis generacio animal[ium] non est putrefactiva lic{et} bene sequi{tu}r putrefactionem completam. Ad s{e}c{un}d{u}m racionem patz responsio q{ui}a ad p{ri}mam. Ad tercium dicendum est q{uod} tan[illegible] plata (?) p{otes}t gnari p{er} putrefactionem sic d{ict}a q{uod} est [illegible] a{nima}l{ia} p{otes}t gnari p{er} putrefactionem s{e}d

q{ue} a{nima}l{ia} plata Questio alia :/: Utrum diffinicio digestionis sit bona in q{ua} d{icitu}r q{uod} digestio est p{er}fectio a{nima}li a p{ro}prio calido ex a{n}tib{us} p{ro}p{ri}is passivis contrariis q{uia} non q{uia} digestio non e{st} p{er}fectio gn{er}ationis p{ro}b{a}t{ur} q{uod} digestio non e{st} forma substancialis mixti q{uod} p{ro}b{a}t{ur} q{ui}a forme gn{er}abiles et corruptibiles d{icitu}r p{er}fectio. S{e}c{un}do p{ro}b{a}t{ur} q{uod} digestio non fiat a calido q{uia} fortiores et meliores digestiones fiunt in temporibus frigidis sicut in yeme q{uam} in calido sicut in estate s{e}d hoc non esset si digestio esset a calido; temporibus co{n}t{rariis} p{ro}batur t{er}cio vi{detur} q{uod} non omnis digestio fiat a calido naturali q{uia} aliqu{e} digestiones fiunt a calido extrinseco sicut e{st} elixacio et assacio. Quarto p{ro}b{a}t{ur} q{uod} non a calido p{ro}prio n{on} maturacio e{st} quedam digestio ut p{atet} p{er} a{nima}l{ium} in libro 4{o} metheororum sicut a calido extrinseco puta a calido solis ut p{atet} q{uia} hec in talem solis g{ra}m{en} e{st} intensior circuit maturat et q{ua}m in (?) non e{st} intense calidum. Quinto p{ro}b{a}t{ur} q{uod} non fiat a calido q{uia}

Vel sic tunc sequeret{ur} q{uod} aliqua digesta d{icu}nt{ur} esse humor calidi et q{uod} indigestum s{e}d hoc e{st} falsum quia tunc corpus quam calidi e{ss}et inicio (?) et calefaciet p{atet} q{uia} cibus sicatus non aliquis digesta sunt quando sunt cum magis compacta et includunt{ur} in eis magis de aere qui plus trahebat forcius. S{e}c{un}do non vi{detur} esse bene dictum e{ss}e p{ro}p{ri}is passivis contrariis q{uia} frigiditas q{uia} non calidi. In oppositum e{st} a{nima}l{ium} in 4{o} q{ui} [illegible] p{ro}p{ri}a talis et consulta rac{i}one videt{ur} ad p{ro}b{a}t{ionem} d{icitu}r q{uod} non digestio in ad (?) et na{tur}a eius. Circa ad a{nima}l{ium} primum sciendum e{st} q{uod} res naturales hunt suas operaciones conuctas et in sp{eci}em in quas quedam operacio q{ui}a p{ote}st dici p{er}fecte q{ui}a et in tales non p{ote}st dici in p{er}fecte. S{e}c{un}do sciendum q{uod} ad hoc q{uod} res p{ote}st in tales operaciones requirunt{ur} debite p{ro}p{ri}etates q{ue} s{un}t p{er} materiam et debita disposicio in quantitate in loco et in figura et in pl{ur}ibus ita q{uod} e{st} ipsum mixtum sic dispositum in q{ui}b{us} primus q{uod} q{u}a{n}do dispo requirit{ur} ad exercendum operaciones sibi debitas et in suo sp{eci}em tunc dispositum e{st} in quantitate et in figura tunc tale mixtum d{icitu}r p{er}fectum. Tercio sciendum e{st} q{uod} digestio est debita disposicio quantitatis p{ro}p{ri}a a{nima}l{ium} mixti et in q{uod} natum e{st} agere vel pati p{ro}p{ter} finem intentum. Tunc sit una distinctio q{uod} duplex sit digestio s{ci}l{ice}t naturalis et artificialis non tunc dici ideo q{uod} applicat{ur} p{er} artem s{e}c{un}do d{icitu}r artificialis q{uia} agens passio p{er} artem applicat{ur}. Quarto e{st} q{uod} aliqua digestio tamen metaphorice sit sicut solet dici q{uod} s{er}mo causat bene digestus antequam ille protulit unde aliqui dicunt tunc materiam loquitur s{e}d sic non tamen in p{ro}posito. Tunc sit p{ri}ma q{uod} p{ro} digestionem non intelligit{ur} forma substancialis q{ui}a te digestio e{ss}et gnatio vel corrupcio et opp{ositu}m p{atet} p{er} a{nima}l{ium} in libro qui distinguit inter gnationem et corrupcionem ex una p{ar}te et digestionem ex alia. S{e}c{un}do aliqui dicunt ideo e{ss}e digestum q{uod} prius dicebat e{ss}e indigestum s{e}d hoc non esset si digestio esset corrupcio vel gnacio forme substancialis. Sed d{icitu}r q{uod} in digestione alimenti i{n} corpore a{nima}l{ium} circu{m}fert forma alimenti et mutat a{nima}l{ium} dicit in lib{ro} q{uod} finis digestionis e{st} nata forma substancialis et digestio alimenti non e{st} corrupcio forme substancialis s{e}d bene p{re}parat ad corrupcionem eius ut p{atet} hic esset digestio p{er} p{ro}p{ri}a putrefaccio et de tanto finis eius e{st} nata sit dicit

Aristoteles 2a qe(stio) in omni digestione mutatur p(ro)
p(ri)o p(ri)ncipaliter quantum ipsius mixti p(at)z q(uia) si sic no(n) tunc
no(n) eet natis t(ra)nsmutac(i)o ex eo q(uod) no(n) eet t(ra)nsmutatio
ad forma(m) n(ec) ad corruptionem eius sicut dicebatur in
puncto q(ue)stionis. Sz hic est s(ed) q(uod) no(n) q(uan)titas mixti q(ua)
litatiua p(ri)ncipaliter in ipso mixto est digestio p(at)z q(uia) no(n)
stat in e(st) digestio si mixtu(m) e(st) aliquo frigidu(m) t(ame)n calidu(m)
humidu(m) t(ame)n siccitatis. Ad secundam q(ue)stionem arguitur sic q(uod) p(ro) di
gestione mutatur semper calor et ideo (etc.) q(uo)d quantitates
sicut s(ed) illes no(n) mutarent si ip(s)o quantu(m) p(ri)ncipaliter
no(n) mutaret. Ex hiis ergo p(at)z finaliter q(uod) digestio
e(st) n(on) mutat quantu(m) p(ri)ncipaliter ad p(er)fectionem ipsius mixti cep(er)it
tunc p(at)z p(ri)ma p(ar)s diffinitionis cu(m) dicebatur q(uod) digestio
e(st) p(er)fectio. Secundo ad secundam sit p(ri)ma q(ue)stio digestio e(st)
effectiue a calido nali z p(ro)p(ri)o p(at)z q(uia) no(n) sit a calido ex
t(ri)nseco q(uia) ille extrahit humiditatem nalem z p(ro)p(ri)am z sit
calorem nalem z eat putrefactionem n(on) digestio ve(l)
e(st) putrefactio ex eo q(uod) digestio e(st) p(er)fectio ut di
cebatur putrefactio aut e(st) imp(er)fectio ut (etc.) sit a cali
do extrinseco ut in tercio p(ro)b(a)t(ur) z p(at)z q(ui)a nec calidu(m) z
frigidu(m) frigidi actiuu(m) actu et frigidu(m) no(n) ita ex(ist)ens du
at ad p(er)fectionem sit q(uod) calidu(m) debeat et q(uod) p(ro)p(ri)e cali
du(m) nale p(ro)p(ri)u(m) (con)sumens humidu(m) superfluu(m) sit in effec
tiua digestionis t(ame)n ex quo p(ro)ducit z debite (con)sumet
humidu(m) ad (con)seruationem sicut forme mixti z 2a q(ue)stio q(uod)
sepe ad digestionem mutat calidu(m) extrinsecum [illegible] z
q(uia) p(er) calidu(m) ext(ri)nsecu(m) a(u)g(e)tur [illegible] (con)fortat calidu(m) intrinsecu(m)
q(uia) simile (con)fortat sibi simile. Sz no(n)du(m) est q(uod) 3a mutat de
calido q(ua)to. Si e(ni)m calidu(m) eet intensum tensum t(unc) faceret
euaporare humidu(m) nale ad calorem z sic fiet putrefactio
p(ro)pt(er) hoc homines existentes i(n) regionibus magis calidis cito
moriu(n)tur existentes a(u)t(em) in frigidis diu viuunt z 4a q(ue)stio di
gestio a(liquan)do cel(er)ius mutat p(er) frigidu(m) extrinsecu(m) z hoc p(er) accid(en)s
s(e)c(un)d(u)m p(er) antiparistesim v(e)l p(ro)pt(er) frigus claustr(a) pori
clauduntur q(uod) calor nalis no(n) exalat (etc.) i(d est) calor pelli
ad interiora v(nde) sit digestio (etc.) melior sit digestio
q(uia) calor digerens sit in teste(?). Et (etc.) no(n)du(m) e(st) q(uod) illa
q(ue)stio q(uod) intelligi d(e) frigido q(ua)to no(n) s(ed) frigido eet ita in

tensu(m) q(uod) penetraret ip(su)m mixtu(m) vel omn(in)o clauderet poros
ip(s)ius mixti i(m)pediretur digestio si e(ni)m penetraret tunc cor(rum)
peret calorem nalem. Sz si pori essent omn(in)o clausi tunc
no(n) posset exalare humidu(m) superfluu(m) z calor nalis suffoca
ret z sic digestio i(m)pediret. 5a q(ue)stio q(uod) humiditas
sit ma(teri)a m(ateri)a q(ua)m actio altera p(at)z q(uia) calor nalis (con)sumit
humidu(m) superfluu(m) z reliquu(m) (con)solidat. Ex hiis p(at)z q(uod) diffi(nitio)
digestionis data e(st) bona q(uia) in ea tangit omnes cau(sas)
digestiua(s) p(ret)er cau(sam) finale(m) d(e) q(ua) Aristoteles postea loquitur
t(ame)n bn possz dici q(uod) cau(sa) finalis tangitur in h(oc) q(uod) d(icitu)r p(er)fectio.
Ad r(ati)o(n)es p(ri)ncipales ad p(ri)ma(m) d(icitu)r q(uod) digestio eius no(n) sit p(er)fectio
z t(ra)nsmutatio ad forma(m) substa(n)tiale(m) t(ame)n bn e(st) t(ra)nsmutatio ad p(er)fectione(m)
z ad forma(m) accidentale(m) vel m(ateri)a(m). Ad 2a(m) dico q(uod) digestio
fiat a(liquan)do p(er) accid(en)s s(ed) a calido sit p(er) se z h(oc) tam(en) ab in(tr)inseco
mix(t)o p(ri)n(cipa)li z a forma mixti tanq(uam) ab agente p(ri)n(cipa)li z no(n) tam(en)
ab in(tr)inseco mixto tunc ad aliud dico q(uod) maturatio p(ro)p(ri)e z p(ro)p(ri)e
sit a calido intrinseco s(ed) v(er)u(m) e(st) q(uod) iuuat(ur) a calido extrinseco
s(ed) a calore solis. Ad aliud dico q(uod) v(er)u(m) e(st) q(uod) digesta ut
plurimu(m) sit leuiora s(ed) q(uod) a(liquan)do sit (con)uerso sit alio(rum) q(ua)tenus
q(uod) accidit digesta(m) natam d(e) aere eat in clusu(m) in poros
eorum q(ui) quando aer e(st) eu(m) leuificat s(ed) p(ro)pt(er) q(uod) sit dige
sta t(ame)n magis sit (con)pacte z m(inu)s porosa p(ro)pt(er) q(uod) minus tenet
d(e) aere alleuiati(vo) z ideo posset fieri q(uod) aliqua p(ro)pt(er) q(uod) sit di
gesta sit (con)u(er)so. Ad ultima dico q(uod) p(ro) opp(osi)ta passiua
no(n) a(u)get caliditates z frigiditates s(ed) intelligit humiditates z siccitates
q(ue) sunt passiua z eos opponuntur z sunt m(ateri)a m(a)g(is) illa actio al
t(er)at(ion)is q(ue) v(ocatur) digestio z sic patet questio (etc.)

Questio alia ut(rum) balnea (con)ferant ad
digestionem z arguitur p(ri)mo q(uod) no(n)
q(uia) si sic vel i(n) m(aj)ori m(odo) q(ua)m sit digestio vel p(ost)q(uam) facta e(st)
digestio no(n) p(ri)m(o) q(uia) h(or)a digestionis statim e(st) p(ro)p(ter) p(ro)curandu(m)
no(n) statim p(ro)p(ter) p(ro)curandu(m) na(m) sunt balnea q(uia) media q(uod) sta
t(im) p(ro)p(ter) p(ro)curandu(m) p(ro)hibetur balnea. Si at dicatur z in s(ecun)da p(ar)te
h(or)a digestionis h(oc) no(n) p(ote)st ee q(uia) tunc digestio no(n)
e(st) i(n) tunc balnea no(n) (con)ferunt ad i(m)pa(ra)tionem. Sed balnea im
pediunt digestionem (ergo) (etc.) (pr)o q(uod) (pro) balnea pori apiunt(ur)

Cumque apertis poris exterioribus calor ab intra exalat
frigido autem ingrediente et calore naturali exeunte impeditur
digestio. Secundo sic sequitur quod calor extrinsecus impediat ad
digestionem sed hoc est contra quia tamen quod balnea sunt calore
causitate et similiter [illegible] natura sit calor extrinsecus valet
ad digestionem. Tertio sequitur quod digestiones melius fierent
in estate quam in hyeme sed hoc est contra experientiam et
confirmatur nam calor extrinsecus est causa corrupcionis igitur non confert
Secundo arguitur probatur ex prioribus quia tamen quod digestio est processio
quod ideo quod est causa corrupcionis non est causa confortativa digestionis
Tertio sit frigidum exterius confert ad digestionem ergo non
balnea calida. Antecedens probatur frigido exeunte calor
pellitur ad interius et sic fortificando digestionem et quia tamen
quod calor non sit ibi emissus. Quarto sic idem quod confortat sensus
virtute expulsiva hoc non confortat digestionem sed bal-
nea sunt huiusmodi ergo etc. Antecedens et maior patet quod per bal-
neacionem ut experientia supplebatur. Minor sic sequitur
ante digestionem est quod exteriora sunt calida sed per quam
balneacionem etc. exteriora sunt calefacta per balneacionem [illegible]
quae conferunt ad digestionem statim dicitur si preparacionem sed
balnea conferunt ad digestionem ergo sic quod statim dicit
[illegible] paradiso [illegible] medicorum [illegible] estati
preparacionem balneacionem a corpore quod preparacionem ad [illegible]
non est sed digestio probatur [illegible] exquo
ambulacio confert ad digestionem igitur bonum est ambulare
preparacionem [illegible] et [illegible] [illegible]
digestio aliquando iuvatur per aquam calidam sicut per balneacionem
in [illegible] per [illegible] sit [illegible] secundo [illegible]
[illegible] ad [illegible] quod sunt medicorum [illegible]
digestionis naturalis una enim fit in stomacho secundo in epate
tertia in corde et in membris in quarum illarum digestio
sit [illegible] separatio puri ab impuro in prima enim in stomacho
in qua fit digestio separatur purum et mittitur ad intestina et
id quod est purum mittitur ad epar in quo ulterius purificatur et id
quod est impurum mittitur ad [illegible] et idem mittitur [illegible] per [illegible]

Una magna vena quae vadit ab epate ad cor mittitur ad
ipsum cor et ulterius ibi purificatur et ad [illegible] digestio
mittitur ad quartam [illegible] per venas [illegible] cor una per
[illegible] [illegible] quod quidem [illegible] ad [illegible] digestionem [illegible]
[illegible] digestionis [illegible] et emittitur [illegible] per [illegible]
[illegible] quod cor non [illegible] per [illegible] mittitur per
una vena [illegible] ad epar et ab epate sit [illegible]
[illegible] ad singula membra corporis per quas venas [illegible]
[illegible] ad singula membra [illegible] fit ultima digestio [illegible]
in [illegible] per [illegible] quarta [illegible] medi-
ci dicunt quod [illegible] et ultima digestio balnea non conferunt
sed [illegible] tres digestiones sit [illegible]
[illegible] in toto corpore [illegible] per balnea exteriora calor
[illegible] ab interioribus ad membra exteriora et balne-
um [illegible] impediunt digestionem in [illegible] sed cum digestio sit [illegible]
[illegible] exterioribus tunc balnea calida iuvant ad dige-
stionem [illegible] membris exterioribus [illegible]
[illegible] balnea sunt duplicia in aqua [illegible] balnea [illegible]
in aqua sunt duplicia [illegible] quae fiunt in aqua [illegible] quae
[illegible] aqua sit in aqua sulphurea [illegible]
sit in aqua [illegible] ad [illegible] sit [illegible] aqua [illegible]
est calefacta balnea autem quae fiunt in aqua [illegible] aqua [illegible]
[illegible] sunt [illegible] quae [illegible] sulphurea quae sit
calida [illegible] aqua [illegible] per vias subterraneas sulphu-
reas. Alia balnea quae [illegible] sunt frigidi et humidi sit
[illegible] quae [illegible] sunt [illegible] frigida et salsa. Alia [illegible]
[illegible] dolorem capitis [illegible] sicut balnea in aqua
calida veniente per vias subterraneas in [illegible] minere
ferri. Alia conferunt ad [illegible] stomachi. Alia aqua [illegible]
sunt [illegible] calida veniente per vias subterraneas [illegible]
[illegible] alia conferunt ad [illegible] superfluitate [illegible]
[illegible] digeste [illegible] et [illegible] balnea [illegible]
[illegible] ad [illegible] non [illegible] sed [illegible] quae fiunt in
aqua dulci. Alia sunt [illegible] quae fiunt in aqua frigida
[illegible] calida [illegible] illa quae fiunt in aqua calida [illegible]
sunt in aqua [illegible] calida [illegible] in aqua [illegible]

Calida. Contra ad aliud arguitur primo quia balnea in aqua fri-
da non conferunt ad digestionem, patet quia extinguunt calorem
naturalem. Secunda quia balnea in aqua nimis calida etiam non con-
ferunt ad digestionem, patet quia fit consumptio et evaporatio natura-
lis humidi nostri [illegible] per quod debilitatur calor naturalis nec con-
trarium fiunt [illegible] non fit bona sive non conferunt ad digestionem.
Tertia quia balnea quae sunt in aqua temperate calida conferunt
ad digestionem quae fit in partibus exterioribus ad digerendum alimen-
tum extra quod sibi simile adiuvat suum simile. Quarta quia homini-
bus nimium humoribus malis repletis non conferunt balnea,
patet quia malos humores in corpore humano commovent, sed
non est bonum humano corpori, sed sic est quod balnea malos
humores conferunt moventur in corpore humano, igitur etc. Quinta
quia balnea magis conferunt in quadragesima [illegible] quam in
[illegible] et sic repleri [illegible] oppo-
situm, patet quia [illegible] et humores fa-
ciunt [illegible] quia [illegible] virtute [illegible]
le [illegible] adipiscitur [illegible] virtute
[illegible] sit [illegible]
[illegible] humores quia in quadragesima [illegible]
[illegible] humoribus malis [illegible] in corpore huma-
no non [illegible] balneando nec [illegible] humores [illegible]
[illegible] in corpore humano [illegible] infirmi-
tas. Item dubitatur utrum in balneis sit [illegible] vel
[illegible] et dicunt medici quod non [illegible] quia [illegible]
[illegible] fit digestio in [illegible] balne-
is calor [illegible] et ad [illegible]
[illegible] caloris interioris non fit bona digestio interio-
ribus et tunc etiam alimentum [illegible] digestum [illegible] ad ex-
teriora et hoc non est bonum dicunt tamen medici [illegible]
sunt in balneis [illegible] medici [illegible] subtili [illegible]
[illegible] Ad rationes [illegible]
ad primum dico quod sit [illegible] balnea non [illegible]
[illegible] digestionis et [illegible] medici [illegible] in mete [illegible]
[illegible] balnearum [illegible] non obstante [illegible]

[illegible] digestionem quae fit in membris exterioribus [illegible] et [illegible]
dico quod [illegible] quod balnea non conferunt ad digestionem in aqua
nimis calida [illegible] conferunt in aqua temperate calida [illegible]
dico quod non est [illegible] quod [illegible] calido [illegible]
[illegible] calor [illegible] ad digerendum
[illegible] calido [illegible] per antiperistasim [illegible]
Ad [illegible] dico quod balnea non solum conferunt ut solum iuvat
ad [illegible] ad digestionem et ad [illegible] solum
balneamur ad expellendum [illegible] quod [illegible]
[illegible] dico quod [illegible] in membris exterioribus [illegible]
[illegible] male digestionis interioris [illegible] dico quod in balneis
[illegible] digestio interior [illegible] ad [illegible] digestio in membris
exterioribus [illegible] ad [illegible] digestionem [illegible]
fit in membris exterioribus balneamur [illegible] quod [illegible] quae
iuvat ad digestionem [illegible]
[illegible] ad digestionem [illegible] quae fit [illegible] quae
iuvat ad [illegible] quod fit [illegible]
quo fit [illegible] Ad [illegible] balnea iuvat ad [illegible] digestionem [illegible]
[illegible]
[illegible] super [illegible] stomachi
[illegible] calor [illegible] in inferiori parte [illegible]
[illegible] calor [illegible] corporis [illegible]
[illegible] Utrum tres sunt digesti-
ones [illegible] quod non quia
digestio est alteratio ca-
[illegible] calefacto [illegible] aut calefacto ad omnem calefactionem e-
iusdem speciei [illegible] quod digestio sit eiusdem speciei et [illegible]
non sunt tres digestiones specie distincte [illegible] non vide-
tur [illegible] digestionum [illegible] quod una
[illegible] calido [illegible]
non [illegible] specie [illegible] specie [illegible]
[illegible] distinctis specie [illegible]
eiusdem speciei [illegible] quod sunt plures quam tres digestiones [illegible]
[illegible] digestionem [illegible] ad quos [illegible] diges-
tiones [illegible] ad plures quam tres [illegible] ad quos
sit [illegible]
[illegible] medici ponunt plures digestiones quam tres [illegible]
[illegible] dicunt [illegible] digestiones [illegible]
[illegible] quod duae sunt digestiones

valet. Secundo sic maturatio fructuum est quaedam digestio sed non est quaedam [illegible] digestionum quas ponit Aristoteles nam si esset quaedam [illegible] maxime videretur esse pepansis sed hoc non quia pepansis est digestio facta a calido naturali et ideo maturatio ad fructum fit a calido solis extrinseco. Oppositum est Aristoteles 4° Metheororum qui ponit tres species digestionis et non plures. Si enim essent plures tunc Aristoteles esset diminutus. Si autem pauciores tunc esset superfluus. In ista questione videndum sit modus distinguendi species digestionis. 2° in speciali ponendo [illegible] 3° videndum est de digestionibus oppositis. Circa primum advertendum primo quod unus modus distinguendi species digestionis est iste. Et sit ista suppositio prima quod omnis modus digestionis fit a calido [illegible]

[illegible]

aptus ad generandum sibi simile in pepansi eius ponit Aristoteles [illegible] quia applicant istas digestiones aetatibus animalium et dicunt quod in pueritia et adolescentia est pepansis, in iuventute est epsesis, in senectute est optesis [illegible] digestionum. Circa secundum advertendum videndum est primo de pepansi. Et sit prima conclusio quod pepansis proprie dicta solum est in seminibus [illegible]

[illegible] Nam pepansis [illegible] est digestio alimenti in pericarpiis in vasis seminalibus. Et ulterius dicitur quod tunc est perfecta cum semina quae sunt in pericarpiis possunt efficere aliquid [illegible] talia qualia ipsa sunt [illegible] intelligi de seminibus animalium vel etiam de semine plantarum. [illegible] semen est materia generationis [illegible]

[illegible]

quod quod passa optesim sint sicciora quam que non passa. Et hic ro-
est quia penetratio aque calide et quia [illegible] humiditatis corporis naturalis consumitur et
expellitur et [illegible] natura sicca. Et ideo manifestum quod aqua in qua [illegible]
sunt [illegible] humiditatis [illegible] stabile et magis pinguis et magis [illegible] est
magis sana et propter hoc aqua in qua decocte sunt carnes bovine magis
est sana quam sit aqua in qua sunt decocte carnes porcine. Secundo
de optesi sit una quod quod optesis proprie est in rebus assatis patet quia descriptio
eius in qua dicitur quod optesis est digestio accidentalis siccata et aliena.
Et inde est quod quando optesis [illegible] communia tunc sit adustio. Secundo dico
quod optesis [illegible] metaphorice in aliis rebus in quibus [illegible] [illegible] vel
[illegible] [illegible] a [illegible]. Unde dicit Aristoteles quod iste due digestiones
scilicet optesis et optesis sunt [illegible] [illegible] [illegible] [illegible] sunt aliquando
quibus non sunt nomina imposita. Tertio dico quod passa optesim sunt
interius humidiora quam passa optesim. Et passa optesim sunt ex-
terius humidiora quam passa optesim patet quia humidum in [illegible] [illegible]
et [illegible] scilicet calidi ignei [illegible] [illegible] interiora. Et [illegible]
[illegible] [illegible] in [illegible] calide igni [illegible] quia [illegible]
[illegible] [illegible] ignis. Et [illegible] [illegible] aqua [illegible] quia [illegible]
exterior accidentalis [illegible] quam [illegible] quam aqua [illegible] humida
interioris [illegible] [illegible] quod assata sunt interius humidiora
exterius sicciora. Et [illegible] est de elixatis patet [illegible] quia [illegible]
sicut in aqua calida in [illegible] penetrat et humidum interius
[illegible] [illegible] [illegible] et propter hoc elixata sunt sicciora interius quam
assata et [illegible] [illegible] sunt humidiora quam interius.

Quinto conclusio
[illegible] [illegible] est quod in
digestio fit [illegible]
Primo [illegible] quod digestio incipit ab indigestione et digestio
[illegible] [illegible] et indigestio in non dicitur digestio et non accipitur [illegible]
[illegible] accipitur indigestio [illegible] [illegible] [illegible] quia res tunc dicitur
digesta et non indigesta [illegible] [illegible] per digestionem [illegible]
et [illegible] non [illegible] [illegible] [illegible] sunt [illegible] [illegible]
digestio [illegible] [illegible] digestio indigestio [illegible] [illegible] [illegible]
gestio fit [illegible] ad indigestionem et [illegible] non [illegible] [illegible]
[illegible] per digestionem [illegible] quia non dicitur [illegible] [illegible] debi-
ta [illegible] [illegible] et non [illegible] [illegible] quod ad digestionem non
[illegible] [illegible] quod calidum aliquando non obtineat [illegible] [illegible] in [illegible]
quod [illegible] [illegible] [illegible] [illegible] debitam [illegible] [illegible] [illegible] alteratione
digesta [illegible] dicitur digesta. Et ideo non dicitur quod fructus et semina
sunt indigesta quia adhuc non sunt maturata et [illegible] [illegible] [illegible]
[illegible] [illegible] indigestione. Unde tot modis dicitur indigestio quot
modis dicitur digestio et in [illegible] fit [illegible] in quibus [illegible] digestio. Et
[illegible] [illegible] [illegible] [illegible] [illegible] digestionis ita quod sicut

in pepansi fit ita et in aliis. Ad rationes principales ad primam dico quod diges-
tio fit calefactio [illegible] [illegible] digestio plus quam [illegible] calefactio
[illegible] [illegible] [illegible] sufficiens calidi ad debitum finem et ideo non oportet
quod si omnis calefactio ad omnem calefactionem sit eiusdem speciei quod [illegible] omnis
digestio ad omnem digestionem sit eiusdem speciei. Unde [illegible] [illegible]
res sit [illegible] et sufficiens non [illegible] [illegible] [illegible] et sufficiens sit eiusdem
speciei. Ad secundam dico quod digestiones non distinguuntur specie [illegible] [illegible]
specie [illegible] [illegible] [illegible] distinctionem specie [illegible] ad quos [illegible]
[illegible] sunt [illegible] [illegible] distincte specie debite [illegible] [illegible]. Ad tertiam
dico quod [illegible] distincte digestiones [illegible] [illegible] distinctionem specie [illegible]
[illegible] [illegible] ad quos [illegible] [illegible] plures digestiones quam tres distincte
specie [illegible] quod plures sunt quam tres distincte specie [illegible] [illegible] sunt tres
et non plures quam tres distincte [illegible]. Ad [illegible] medici ponunt [illegible]
[illegible]. Dico quod sit per partes [illegible] [illegible] [illegible] sunt [illegible] [illegible]
tres. Unde digestio que fit in ore et in stomacho non sunt [illegible] diges-
tiones [illegible] distinctione ad [illegible] digestionem que fit in epate et in corde
et in membris [illegible] [illegible] [illegible] [illegible] est pepansi ad optesi et ad
optesi. Ad quartam dico quod sunt digestiones [illegible] dico quod [illegible]
sunt [illegible]. Et dico [illegible] quod [illegible] activa passivis applicata
sunt [illegible] [illegible] digestiones [illegible] [illegible] [illegible] due digestiones sunt [illegible]
[illegible] et [illegible] non [illegible] activa passivis applicata [illegible] digestiones
sunt [illegible] [illegible] [illegible] applicata sit. Et ille digestiones vocantur
[illegible] optesis optesis et [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] sunt
imposita digestionibus que sunt ab applicationibus activorum ad passiva
et [illegible] [illegible]. Ad quintam dico quod [illegible] fructuum [illegible] per
pepansim et [illegible] [illegible] non fit [illegible] in [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]. Et [illegible] [illegible] [illegible] digestio
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] eius digestio optesis vel optesis et [illegible] [illegible]. Sexto

[illegible] [illegible] [illegible]
magis assata quam elixa-
ta. Et arguitur primo quod sit elixata quia in [illegible] digeritur [illegible]
[illegible] humido dicitur [illegible] elixata et non assata [illegible] est [illegible]
[illegible] [illegible] [illegible] [illegible] elixationis [illegible] [illegible] [illegible]
[illegible] et digeritur [illegible] [illegible] in humido [illegible] sit in oleo
et in aqua alia pinguia. Secundo sic [illegible] [illegible] dicuntur assata
[illegible] quod [illegible] debent [illegible] interius [illegible] humida sit [illegible]
assata [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] sunt sicciora interius
assatis [illegible] [illegible] elixata et non assata. [illegible] [illegible] [illegible]
[illegible] non sunt assata [illegible] [illegible] [illegible] [illegible] [illegible] assa-
ta quod [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] quia sic [illegible] [illegible] assata [illegible] [illegible] [illegible] [illegible] [illegible]

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mediã aliqm infusionẽ exhibet frixata quibus tñ nõ exhibetur ass-
ata. Certo sic scilicet quod frixatio fiet per [illegible] nõ
[illegible] per descriptionẽ [illegible] assationis [illegible]
[illegible] digerendo [illegible]
[illegible] olei vel [illegible] alterius [illegible]
[illegible] quod frixata nõ dicitur elixata [illegible] frixata
nõ [illegible] frixata nõ sit
elixata [illegible]
[illegible]
[illegible]
[illegible] elixata [illegible]
[illegible] frixata [illegible]
[illegible] quod frixata dicitur [illegible] assata [illegible] elixata
[illegible]
[illegible] dubia et solvenda. [illegible] quod frix-
ata [illegible]
[illegible]

[illegible]

[illegible]

[illegible] nõ [illegible] assata [illegible]

[illegible] nõ. Et [illegible] nõ [illegible]
[illegible] frixatio [illegible]
frixatio nõ est [illegible] frixatio est assatio [illegible]
[illegible] nõ est elixatio [illegible] et nõ [illegible]
digestionis [illegible] elixatio et assatio [illegible]
[illegible] digestionum [illegible] frixatio [illegible]
[illegible] quod frixatio sit assatio. [illegible] frixata [illegible] assa-
ta [illegible] frixatio est assatio [illegible]. Et [illegible] frixatis [illegible]
[illegible] assatorum [illegible]
assati et [illegible]
[illegible] primo si ita
[illegible] elixata et
[illegible] assata vel elixata [illegible]
[illegible] elixata [illegible] assata nõ [illegible]
[illegible] elixata [illegible] assat[illegible]
[illegible]

[illegible]

[illegible]

exalacōs inflammate sunt sicut stelle comete et huiusmodi sunt cor
pora mixta in quibus non dominatur aqua vel terra eciam [illegible] quia
sunt aliqua animalia in quibus dominatur aer sicut sunt aves vivunt enim in ae
re quod dicit philosophus Secundo videtur quod sunt aliqua animalia in quibus dominetur
ignis sicut eciam quod salamandra et vermis alius quod vivunt in igne vide
tur quod esse sit ad omnia ignis sicut Augustinus et Anselmus et dicit hiis circa
in ultimis [illegible] quidem fumositas et compositio 3° improbabit
unica opinio 3° ponit circa eundem ad adductum primo sciendum quod ele
mentum est in mixto intelli
gitur virtualiter circa aliquo

forma sicut stabiles et alter magis dicitur in 2° de generatione Secundo sciendum
quod elementum dominans in mixto est intelligitur dominans virtualiter secundum molem
sive quantitatem in quod elementum in mixto quantitate sit in illo mixto quod
aliquod aliud elementum abiecto aliquo secundum quantitatem 3° dicitur aut
secundum quantitatem motivam sicut et gravitas et levitas aut secundum quantitatem
activam qua sit per abicere aliquando sicut caliditas frigiditas
siccitas et humiditas Tercio sciendum quod mixtorum quedam sunt terminata
termino proprio sicut sunt ea que sunt coagulata dura et solida Et quedam sunt
que determinant sibi terminum proprium et figuram sicut plante et huiusmodi alia
autem sunt [illegible] sibi impressa et sculpta [illegible] sicut
[illegible] lapides [illegible] et silicia Alia sunt mixta fluida et ideo non sunt
terminata aliquo proprio sicut sunt vinum lac et huiusmodi
Quarto sciendum quod aliqua sunt mixta que dicuntur perfecta sicut ligna la
pides et huiusmodi Quedam autem sunt mixta imperfecta et dicuntur quod talia
sunt exalaciones et vapores [illegible] non intelligitur quod [illegible] sit
[illegible] quod in quolibet mixto dominatur ignis [illegible] adequate ac
[illegible] que est caliditas [illegible] sit probabile [illegible] quolibet [illegible]
[illegible] mixti sit [illegible] debita quantitas in quolibet
mixto dominatur ignis 2° quo ad calidum que est qualitas activa Secundo
quod [illegible] mixto terminato termino proprio [illegible] est coagulatio causa
[illegible] dominatur terre [illegible] adequate et [illegible] adequate motivam
[illegible] non [illegible] videtur aliqua [illegible] et terra sunt
sunt animalia et consilia Et [illegible] non videtur quod in arte omnia sunt
[illegible] aqueo [illegible] quod sic sit in na
[illegible] videtur quod in arte [illegible] lateres [illegible]
[illegible] sit [illegible] vel [illegible] quod [illegible] mixta sunt
[illegible] et terra [illegible] et sit videtur in arte quod
ea que coagulatur accidente [illegible] de calido sicut lateres [illegible]
[illegible] quod ea que coagulantur accidente plus [illegible] de terra [illegible]
[illegible] quod ea que coagulantur [illegible] plus [illegible] aqua [illegible] talia mixta
sunt [illegible] sicut vinum lac et huiusmodi [illegible] quod in mixtis [illegible]

[illegible] terra et aqua super alia elementa [illegible] [illegible] Et hiis [illegible] quod [illegible]
[illegible] est magis activum [illegible] caliditatis Et similiter aer [illegible] et aqua
sunt magis [illegible] et non tante activitatis sicut in mixto [illegible]
aqua [illegible] de igne et terra [illegible] quantitate [illegible] activitate ignis circa
[illegible] et similiter mixtum Et ideo ut ignis non sit alia elementa [illegible]
patet [illegible] quod alia elementa sunt in mixtis in magna quantitate [illegible]
[illegible] propter [illegible] mixtorum ordinat elementa [illegible] activitas
[illegible] in mixtis [illegible] mole [illegible] quantitate propter [illegible] at [illegible]
[illegible] in mixtis que sunt [illegible] actuari sicut elementa [illegible]
[illegible] adequate [illegible] activitas Secundo non quod aliqua mix
ta [illegible] terra aliquando vero aqua [illegible] terre et aque [illegible]
[illegible] aque et terre [illegible] quibus dominatur aqua et terra super alia duo
elementa [illegible] sit [illegible] qualitas non est [illegible] non
talibus [illegible] aque et terre Similiter non aliqua mixta
[illegible] terre et aeri non quod [illegible] aer [illegible] est [illegible]
[illegible] de aere [illegible] que est in aliquibus mixtis sicut est in melle [illegible]
[illegible] mixta sunt terre et aque [illegible] aut ambo simul
non quod ambo in mixtis dominentur [illegible] non est [illegible] non
[illegible] qualitatibus [illegible] non quod opinio aliquorum
est quod [illegible] quedam animalia que
[illegible] aer [illegible] dominatur

vel aer et quedam que vincunt de igne et [illegible] dominatur ignis Et
illi dicerent [illegible] nobiliora illis in quibus dominatur terra [illegible]
opinio sit [illegible] loquendo naturaliter et [illegible] sunt talia
animalia [illegible] sicut talia animalia [illegible] figure [illegible]
[illegible] figuram [illegible] figuram [illegible]
[illegible] figuram et [illegible]
[illegible] aer ut ignis [illegible]
[illegible] aliqua talia animalia in quibus ignis vel
aer dominaretur in quantitate [illegible] dominaretur super alia elementa in acti
vitate [illegible] talia mixta non [illegible] durabilia [illegible] videmus
quod ubi est modicum de igne et plus [illegible] ad elementa quod ignis
[illegible] magna activitate [illegible] talia mix
ta in quibus dominaretur ignis vel aer [illegible] complexionata et
[illegible] non [illegible] nobiliora aliis mixtis in quibus dominatur terra
[illegible] dicerent Secundo [illegible] talia animalia [illegible]
[illegible] quod ignis vel aer [illegible] videmus quod aves non
[illegible] in aere ut aliquod mixtum [illegible]
[illegible] elementorum [illegible] ignis et aeris non est
[illegible] ut dicit Anselmus [illegible] talia
animalia [illegible] organa [illegible] possi
loqui [illegible] non [illegible] possent [illegible] quibus [illegible] sunt

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contingit unus contrariorum elementum ad aliud eorum sit quod contraria quod
[illegible] elementis sit [illegible]
et terra cum aliis elementis [illegible]
ponitur impossibile [illegible] [illegible] primo sit de eius diversitas [illegible]
compositorum sicut variatur [illegible] secundo non sit de diversitas in
mixtione elementorum sicut ignis et aeris tertio sit de diversitas
[illegible] [illegible] [illegible] quod [illegible] [illegible] [illegible] et [illegible] vel [illegible]
sicut quod [illegible] [illegible] fortis vel debilis Certo sit de diversitas
in modo [illegible] ita quod [illegible] est fortis [illegible] [illegible]
[illegible] et [illegible] debilis Quinto sit de diversitas corporis [illegible]
[illegible] [illegible] [illegible] impossibile sit magnis [illegible] [illegible] Ad rationes principales
prima et secunda sunt [illegible] [illegible] [illegible] dico quod lignum supernatat
non est [illegible] quod [illegible] in eo aer [illegible] [illegible] multis poris in quibus
includitur aer [illegible] [illegible] supernatat et [illegible] super aquam de
oleo [illegible] quod in eo [illegible] [illegible] aer non [illegible] quod in eo plus sit
de aere quam de alio elemento [illegible] [illegible] quod [illegible] [illegible] de aere in [illegible]
[illegible] ad alia impossibile Et sic [illegible] [illegible] [illegible] [illegible] solu-
ta est quod de libro [illegible] in [illegible] non intelligitur [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] non [illegible] aer [illegible] [illegible] quod [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] ad [illegible] dico quod in [illegible]
[illegible] non [illegible] ignis in [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
non est [illegible] [illegible] [illegible] quod non [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] in igne [illegible] est [illegible] methaura venerandi magistri
Wilhelmi de Orem [illegible] quo sit benedictus deus in secula seculorum
Et finito libro pro festo pasce etc. feria in die vite
anno domini 1470 [illegible] Paulus de Zorawia in bursa scripsit
gymnasii Frankenfordensis

Utrum sit ponenda de [illegible] scientia de passionibus et [illegible] animatorum
[illegible] [illegible] libri de anima a | Dubitatur [illegible] [illegible] [illegible]
et maior [illegible] vel [illegible] [illegible] vel [illegible] obiecti | [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] vel [illegible] Utrum instantanie vel successive 2
[illegible] quod [illegible] [illegible] non [illegible] [illegible] et [illegible] [illegible] a suo [illegible] [illegible] 3
[illegible] [illegible] [illegible] [illegible] quod [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] dubitat 3
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] etc. 3
Utrum omnino animali sint necessaria gustus et tactus b 7 [illegible] [illegible] 3
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 3
Utrum sensus auditus plus conferat ad [illegible] [illegible] quam sensus visus b 3
Dubitatur utrum [illegible] [illegible] auditu sit [illegible] [illegible] [illegible] visu 2
Dubitatur [illegible] non [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] Dubitatur [illegible] [illegible] auditu [illegible]
[illegible] [illegible] [illegible] [illegible] alio sensu 3
Utrum visio sit extra mittendo vel intus suscipiendo b 4
Dubitatur [illegible] [illegible] [illegible] visus [illegible] in medio aut in [illegible] sit videns 2
Dubitatur utrum [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 2
Utrum fulgur quod oculos apparet fulgere et scintillare sit in oculo vel
extra oculum b 5 Dubitatur quo [illegible] [illegible] [illegible] [illegible] potent [illegible]
[illegible] ad [illegible] oculo [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 2
Dubitatur [illegible] [illegible] fulgur non apparet in oculo [illegible] [illegible] sit apparet in oculo [illegible] [illegible] 2
Utrum organum visus sit de natura aque a domino b 6
Utrum organum auditus sit de natura aeris a domino b 7
[illegible] [illegible] Dubitatur utrum [illegible] [illegible] possit [illegible] [illegible] [illegible] 3
Utrum organum olfactus sit de natura ignis a domino b 8
Dubitatur [illegible] sit [illegible] [illegible] [illegible] [illegible] organum visus sit de natura [illegible] [illegible] 2
Dubitatur [illegible] [illegible] [illegible] [illegible] [illegible] organum olfactus sit de natura ignis 2
Utrum organum gustus et tactus sit de natura terre a domino b 9
Dubitatur primo [illegible] quod organa gustus et tactus non sunt de natura terre qualificative 2
Dubitatur [illegible] [illegible] quod [illegible] organa non [illegible] [illegible] [illegible] et [illegible] [illegible] a domino [illegible] 2
Utrum nigredo sit pura privatio albedinis b 10
Utrum [illegible] sit subiectum coloris b 11
Utrum diffinitio coloris posita ab Aristotele sit bona b 12
Dubitatur [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] diffinitio coloris [illegible] [illegible] [illegible] sufficienter [illegible] 2
Dubitatur [illegible] [illegible] bene diffinitur color [illegible] Dubitatur [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] sit [illegible] [illegible] [illegible] [illegible] [illegible] 3

Registrum super parva naturalia

Utrum colores medii generentur commixtione colorum extremorum ad invicem C 1
Dubitatur quare est quod si color albus suppositus nigro vel sit commixtum apparet rubeus color 1
Dubitatur quomodo ponentes modo colores medii dicuntur 2 et secundo de coloribus vel reflexibus 2
Dubitatur 2 que sunt cause generative colorum extremorum
Utrum humidum sit proprium subiectum saporis C 2
Utrum diffinitio saporis posita a philosopho ab Aristotile sit bona C 3
Utrum siccum sit proprium subiectum odoris C 4
Dubitatur quid sit odor diffinitive 2
Utrum boni odores conferunt ad cerebri sanitatem C 5
Dubitatur propter quid odor multum rectus usque ad organum olfactus
Utrum odor sentiatur in eodem organo 2
Utrum homo inter cetera animalia debeat habere olfactum peiorem C 6
Utrum qualitates sensibiles sint in infinitum divisibiles C 7
Dubitatur utrum sit dare minimum saporem 3
Utrum possibile sit aliquod corpus sentire alterum sic quod non sentiat unum per alterum C 8
De memoria et reminiscentia
Utrum memoria sit solum preteritorum sic quod non presentium et futurorum D 1
Utrum memoria sit habitus vel passio primi sensitivi D 2
Dubitatur primo quomodo debeamus intelligere primum sensitivum et quare dicatur primum sensitivum 1
2 dicit quod virtutes oportet ponere potentias ad virtutem sensitivam 1
3 utrum sit ponere plures virtutes interiores cognitive quam tres sicut dicte partes ad usum speciei 1
4 utrum species quibus utitur cogitativa sint ... et memoria sint plures memoria sit una esse ... 1
Utrum memoria seu virtus memorativa solum primat ad potentiam speciei D 3
Dubitatur utrum cessante actuali ... rei ... sit ... rei primum actuale intellectum rei ...
Utrum senes et iuvenes dicuntur esse male memores D 4
Utrum ad reminiscentiam requiratur oblivio et non ad memoriam D 5
Utrum corpulenti humidum in membris dicuntur esse male reminiscentes D 6
De sompno et vigilia
Utrum sompnus sit privatio vigilie E 1
Utrum sompnus et vigilia sint passiones communes omni animali et soli toti E 2
Utrum sompnus sit primo et principaliter passio primi sensitivi E 3
Utrum sompnus generetur ex evaporatione nutrimenti ... E 4
Dubitatur de animalibus dormientibus propter tempus hiemis ... 2

Utrum status sive digestione nutrimenti ... debeat ... et non ... E 5
Utrum possibile sit tempore sompni sompniare E 6
Utrum diffinitio sompni sit bona data ab Aristotile E 7
Utrum possibile sit per sompnia prenosticare et divinare eventus contingentes E 8
Dubitatur ... sompnia possit divisificari tempore sompni ... homines sompniare
... non ... primo ... 2
Utrum possibile sit dormientes tempore sompni operari opera vigilantium E 9
Dubitatur ... quod aliquis dormiens sit ... opera vigilancium sit ... et
... videant ... tactus ... 1
... dicitur ... debeat ... in ... convenientes
... sompniorum ... 1
... agant tempore sompni 1
Dubitatur quare ... 1
De longitudine et brevitate vite
Utrum calidum et humidum sint cause longe vite F 1
Utrum calidum quod est causa longe vite debeat esse igneum vel aereum F 2
Dubitatur primo utrum animal et ... operatur habere calidum naturale ad hoc quod vivat 2
Dubitatur 2 utrum ... sit calidum ... calidum quam frigidum
... ad hoc quod aliquid ... denominetur calidum 2
Utrum quod est causa longe vite sit aereum vel igneum F 3
Dubitatur primo quomodo debemus intelligere ... humidum ... 2
Dubitatur 2 quomodo consumitur humidum et aqueum ... Dubitatur 3 quare humido ...
... calor ... humido ... calor ... 2
Dubitatur 4 quare calor ... humidi ... calidum et humidum 2
Utrum calidum et humidum ... vel non 2
Utrum habitantes in regionibus calidis debeant esse longioris vite quam
habitantes in regionibus frigidis F 4
Utrum habitantes in regionibus frigidis et siccis sint longioris vite quam habitantes in regionibus frigidis et humidis 3
Utrum habitantes in regionibus frigidis et siccis sint longioris vite quam habitantes in calidis et siccis 3
Utrum ... calor ... habitare in loco frigido quam calido 3
Utrum complexio sanguinea inter ceteras complexiones sit longioris vite F 5
Dubitatur utrum ... possit corrumpi sicut ... 3 Utrum ... possit corrumpi ... 2
Utrum calidum sit ... 3 ... quod et aqueum
... candele ... candele 3
Utrum vita possit esse sine calido F 6
De inspiratione et respiratione

Utrum omnia animalia pulmonem habentia et solum talia respirant etc. g i

Utrum plante et alia animalia consanguinia habent sufficiens refrigerium caloris naturalis accidentale vel animale g 2

Utrum animalia calidiora debeant naturaliter nutriri et habitare in locis calidis et frigidiora in locis frigidis g 3

Dubium utrum qualitas corporis locati sit acquirenda contra qualitatem loci et econtra 3

De morte et vite

Utrum aliqua mors sit naturalis h i

Utrum in morte naturali sit aliquis dolor 2

Utrum putrefactio fiat a calido extrinseco vel a frigido intrinseco h 2

Utrum possibile sit per putrefactionem animalia generari h 3

Utrum frigidum extrinsecum preservat a putrefactione 3

Utrum balnea conferunt sive prestant ad digestionem bonam h 4

Dubium primo utrum balnea conferunt hominibus repletis malis humoribus 3

Dubium 2o in quo statu lune balnea sint utilia vel in crescente vel in decrescente secundum medicos 3

Dubium 3o utrum in regimine sanitatis conveniat comedere et bibere in balneis 3

Utrum in iuvenibus pulsus dicatur esse fortior quam in senibus h 5

Registrum super metheororum

Utrum possibile sit de impressionibus metheoricis scientiam habere sanis et opinionibus a i

Utrum impressiones metheorice sint secundum naturam ordinate quod sit natura corporum supercelestium a ii

Utrum mundus iste inferior sit contiguus lationibus superioribus ut virtus eius inde gubernetur a iii

Utrum cessante motu celi cessaret motus in isto mundo inferiori a iiii

Utrum eedem opiniones infinities reiterentur a v

Utrum elementa continue sint ad invicem proportionabilia a vi

Utrum posito quod elementa sint et in se mutabiliter habeant eandem proportionem ad invicem sit semper una vice ignis non sit maior quam aqua et similiter aer a vii

Utrum motus celi sit causa calefactionis ignis in spera sua et partis aeris superioris a viii

Utrum lumen sit productivum caloris a ix

Utrum contrarium circumstans suum contrarium fortificet ipsum a x

Dubium primo utrum elementi motus localis quo primo circumferentialiter movetur ignis per totum celestis circulum cum igne circumstante sit motus aque naturalis vel violentus 2

Dubium 2o posita quod duo contraria puta ignis et aqua ad invicem approximentur et ignis sit multo fortior quam aqua utrum aqua sit fugit ignem sicut ignis aquam 2

Dubium 3o posito quod frigida vincit contrarium ab eo contrario contraria abiiciunt elongata sit quod unumquodque non potest attingere alterum utrum unum abstinet fugit aliud 2

Dubium 4to cum sit unum contrarium approximatum alteri fugiat ipsum 2

Utrum condensatio aeris sub calididate vel frigiditate illius subiecti intendatur 3

Dubium aqua generatur ex aere per quas qualitates ad condensationem quantitas subiecti condensati intendatur 3

Utrum semper media regio aeris sit frigida a xi

Utrum impressionum metheoricarum vapor et exalatio sit proprium materiale a xii

Dubium utrum vapor sit calidus spectat ad aquam et exalatio sit calida spectat ad terram i

Utrum impressiones ignite seu que fiunt per inflamationem exalationis fiunt naturaliter in aere b i

Utrum de nocte serenitate existente debeant apparere hiatus et voragines et sanguinei colores in celo b ii

Utrum cometa sit de natura celi vel de natura elementorum b iii

Utrum cometa sit inflamata exalatio calida et inflamata b iiii

Utrum motus comete sit naturalis vel violentus b v

Utrum tranquillitas est signum motus terre b vj
Utrum tonitruum sit extinctio ignis in nube b vij
Utrum congelacio ex qua fiunt tonitrua et chorusca[ciones] debeat
descendere ad terram vel versus terram b viij
Utrum chorus[ca]cio sit possibilis b x
Utrum fulminum quedam sit penetrans et quedam sit adurens b xj
Utrum indifferenter quodlibet possit pati fulmine b xij
Utrum tiphon [et] enephias [et] incensio sit congelacio calide et sicce b xiij
Utrum visus frangatur in concursu medij densioris vel rarioris per angulum acutum c j
Utrum color corporis superficies reflectat visum super ipsum corpus et
super superficies madentes sit sicut lumen species coloris [et] [illegible] c [et] ij
Utrum visus reflexe sit debiliores visibus non reflexis c iij
Utrum [aqua] speculum videat solum colorem [et] non signans aut speculo
colorem [illegible] contradicit se ad lucem [et] ad colorem [illegible] c iiij
Utrum [in] apparicione [illegible] halos [illegible] [illegible] visum et astra c v
Utrum halo fiat per reflexionem vel per fractionem radiorum visualium super
vapores [illegible] [illegible] astra sub quo halo apparet [et] visum c vj
Utrum mare sit perpetuum vel aliquid fiat secundum de novo c vij
Utrum mare debeat fluere et refluere c viij
[illegible] albertus dicit [illegible] [illegible] [illegible] non [aqua] sit mare [illegible] [illegible]
[illegible] [illegible] ad lunam sit duo [illegible] quod non sit [illegible] [et] refluunt [illegible] ad motum lune sit mare [et]
[illegible] ad lunam [illegible] [illegible] [illegible] [et] ad [illegible] [illegible] [illegible] [et] [illegible] [et] fiunt [illegible] [et]
[illegible] [illegible] [illegible] [et] fiunt [illegible] [illegible] mare [illegible] radios lune [illegible] [et] augeat [illegible] [et]
Utrum aqua maris debeat esse salsa c x
Utrum aque putales debent esse salse c xj
Utrum ventus sit congelacio calida et sicca c xij
Utrum sol faciat cessare ventos et commoveat ipsos c xiij
Utrum boreas veniat de polo artico d j
Utrum motus terre sit possibilis d ij
Utrum comete significent mortes principum d iij
siccitates ventorum et motus terre

Utrum galaxia sit de natura celi vel de natura elementorum d iiij
Explicit liber methaurorum
Utrum locus generacionis pluvie sit media regio aeris d v
Utrum ros [et] pluvia [illegible] [et] pruina sit eiusdem speciei d vj
Utrum grandines magis fiunt [illegible] yeme quam in estate [et] autumpno d vij
Utrum aqua calida applicata [illegible] congelari citius congelatur quam aqua frigida d viij
Utrum rubedo matutina sit signum future pluvie d x
Utrum calido sit signum future pluvie d xj
Utrum natura ascendit ad [illegible] fontium d xij
Utrum aque fontium generantur in terra d xiij
Utrum halo debeat apparere secundum circulum perfectum vel circumferentiam e j
Utrum radius visualis possit reflecti ab aere vicinum non condensato vel
in [illegible] vaporibus ad oculum videntis [illegible] [illegible] sine adiutorio speculorum e ij
Utrum colores yridis sit colores secundum rei veritatem vel solum secundum apparenciam e iij
Utrum yris sit forma realis ipsa nubi vel sit solum forma ymaginaria e iiij
Utrum yris sit forma dyaffonalis vel specularis vel
Utrum yris fiat per reflexionem vel per refractionem e v
[illegible] supposito quod yris fiat secundum reflexionem radiorum Utrum tunc
fiat in nube vel super guttulas roridas vel super [illegible] e vj
Utrum omnis yris debet esse tricolor e vij
Utrum yris solum diurna [et] non nocturna sit apparere e viij
Utrum [illegible] apparentibus duabus yridibus superior iris debet
habere colores [illegible] posita e x
Utrum superior yris [illegible] [illegible] [illegible] et [et] appareat
[illegible] coloribus quam prior iris e xj
Utrum iris debeat apparere secundum circulum perfectum si non sit impeditum e xij
Utrum [illegible] [illegible] [illegible] [illegible] sit centrum solis et centrum [illegible]
[et] [illegible] [et] polorum [illegible] [illegible] [illegible] [illegible] e xiij

Utrum tempore apparitionis iridis et halonis diameter iridis sit
precise dupla ad diametrum halonis & xij
Utrum omni hora diei artificialis celo communiter in superficie orizontis
possit aliquis punctus iridis apparere utrum sint hore [illegible] celo videtur [illegible]
Utrum iris lune sit apparere pluries quam bis in quinquaginta annis
in consimilibus coloribus
Utrum visa iride et sole vel astro elevato nobis super
orizontem appareat minor quam posito in fine orizontis
Utrum virge vel paralii fiant per reflexionem vel refractionem
radiorum
Utrum per ingenium artis possint fieri metalla

Quarti libri

Utrum tantum quatuor sint qualitates prime
Utrum qualitates prime sint prius active in generatione aliquorum mixtorum
accipiendo generationem pro alteratione vel
Utrum putrefactio causetur a calido intrinseco fugiente intrinseco
Utrum frigus concurrat ad putrefactionem
Utrum aliquid aliud possit generari per putrefactionem
Utrum diffinitio digestionis sit bona in qua dicitur quod digestio
Utrum humida conferant ad digestionem
Utrum tantum tres sint digestiones
Utrum frixata debeant magis dici assata quam elixata
Utrum vermes que generantur in ventribus animalium generantur
in stomachis vel in intestinis
Utrum in quolibet mixto dominetur aqua et terra vel ambo

V[illegible] [illegible] [illegible] quod [illegible] iste

Questiones
Super Physicam Marsilij
et Parva Naturalia

653.

[illegible]

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